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# Air Quality Data-1971 Annual Statistics

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October 1976

# AIR QUALITY DATA - 1971 ANNUAL STATISTICS

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
Office of Air Quality Planning and Standards
Research Triangle Park, N.C. 27711

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16. ABSTRACT

This report is a statistical summary report on ambient air quality. The air quality statistics shown in this publication are produced directly from computer reports generated by EPA's on-line computer system. The data in this publication are being republished in the new revised format currently being used. Some of the data in this publication have been revised as a result of a recent effort to improve the quality of the past data.

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|---|---|---|
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# AIR QUALITY DATA –
# 1971 ANNUAL STATISTICS

Monitoring and Data Analysis Division
National Air Data Branch

ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

October 1976

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Publication No. EPA-450/2-76-020

# AIR QUALITY DATA - 1971 ANNUAL STATISTICS

## INTRODUCTION

In accordance with requirements of the Clean Air Act and EPA Regulations for State Implementation Plans (SIP's),[1] ambient air quality data resulting from air monitoring operations of State, local, and Federal networks must be reported each calendar quarter to the Environmental Protection Agency. The EPA Storage and Retrieval of Aerometric Data (SAROAD) format[2] is the established medium for transmittal of air data to EPA Regional Offices within 45 days after each quarterly reporting period. EPA Regional Offices must, within an additional 30 days, forward data they have received to the EPA Aerometric and Emissions Reporting System (AEROS) of which the SAROAD system is an operational part. AEROS is managed by the National Air Data Branch, Monitoring and Data Analysis Division of the Office of Air Quality Planning and Standards. Summaries of these data are provided to interested parties upon request.

In a continuing effort to provide these data to participating agencies as well as to the public, EPA periodically publishes a summary of all data submitted. It is this Agency's desire that participating agencies take this opportunity to check these data to ensure that: (1) the data are correct and (2) the data accurately reflect the ambient air quality within each Air Quality Control Region (AQCR).

1. Federal Register, Vol. 38, No. 149, Friday, August 3, 1973, pp. 20834 and 20835.

2. OAQPS Guideline 1.2-039, Volume II:, "AEROS Users Manual."

The air quality statistics shown in this publication are produced directly from computer reports generated by EPA's on-line computer system. The data in this publication are being republished in the new revised format currently being used. Some of the data in this publication have been revised as a result of a recent effort to improve the quality of the past data. The most recent up-to-date SAROAD reports are available upon request from the National Air Data Branch or the appropriate EPA Regional Office. These locations are shown in the following table.

LIST OF REGIONAL OFFICES

| Regional Location | Commercial Telephone | FTS Telephone |
|---|---|---|
| EPA Region I<br>240 Highland Avenue<br>Needham Heights, MA 02194 | 617-223-7266 | 223-7266 |
| EPA Region II<br>26 Federal Plaza<br>New York, NY 10007 | 212-264-2518 | 264-2518 |
| EPA Region III<br>6th & Walnut Streets<br>Philadelphia, PA 19106 | 215-597-8046 | 597-8046 |
| EPA Region IV<br>1421 Peachtree St., N.E.<br>Atlanta, GA 30309 | 404-526-2864 | 285-2864 |
| EPA Region V<br>230 S. Dearborn<br>Chicago, IL 60604 | 312-353-1447 | 353-1447 |
| EPA Region VI<br>1600 Patterson St.<br>Dallas, TX 75201 | 214-749-1176 | 749-1176 |
| EPA Region VII<br>1735 Baltimore Ave.<br>Kansas City, MO 64108 | 816-374-3791 | 758-3791 |
| EPA Region VIII<br>1860 Lincoln St.<br>Denver, CO 80203 | 303-837-4261 | 327-4261 |

| | | |
|---|---|---|
| EPA Region IX<br>100 California St.<br>San Francisco, CA 94111 | 415-556-2270 | 556-2270 |
| EPA Region X<br>1200 6th Avenue (M/S 413)<br>Seattle, WA 98101 | 206-442-1580 | 399-1580 |
| National Air Data Branch<br>Chief, Requests & Information Section<br>Research Triangle Park,<br>North Carolina 27711 | 919-688-8146 | 629-5395 |

Data for reporting sites using analytical methods determined to be not acceptable for purposes of data analysis are not included in this report. In the future NADB edit programs will reject any new data submittals indicating a "not acceptable"[3] analytical method. All existing "not acceptable" data will be removed from the files and stored in SAROAD format. This "not acceptable" data will no longer be included in data retrieval files.

ORGANIZATION AND FORMAT

These data represent all acceptable ambient air quality data sampled for pollutants that currently have National Ambient Air Quality Standards. These pollutants, along with their corresponding sampling intervals and National Primary and Secondary Standards, are as given on the following page.

3. OAQPS Guideline 1.2-018, "Designation of Criteria Pollutant Analytical Methods as Acceptable/Not Acceptable for Purposes of Data Analysis," May 1974.

SUMMARY OF NATIONAL AMBIENT AIR QUALITY STANDARDS[a]

| ollutant | Averaging time | Primary standards | Secondary standards | Comments |
|---|---|---|---|---|
| ·ticulate tter | Annual (Geometric mean) | 75 $\mu g/m^3$ | 60 $\mu g/m^3$ | The secondary annual standard (60 $\mu g/m^3$) is a guide for assessing State Implementation Plans to achieve the 24-hour secondary standard. |
| | 24 hour[b] | 260 $\mu g/m^3$ | 150 $\mu g/m^3$ | |
| fur oxides | Annual (Arithmetic mean) | 80 $\mu g/m^3$ (0.03 ppm) | - | |
| | 24-hour[b] | 365 $\mu g/m^3$ (0.14 ppm) | - | |
| | 3-hour[b] | - | 1300 $\mu g/m^3$ (0.5 ppm) | |
| ɔon ɔnoxide | 8-hour[b] | 10 $mg/m^3$ ( 9 ppm) | | |
| | 1-hour[b] | 40 $mg/m^3$ (35 ppm) | (Same as primary) | |
| trogen ioxide | Annual (Arithmetic mean) | 100 $\mu g/m^3$ (0.05 ppm) | (Same as primary) | Chemiluminescence has been proposed as a replacement for the J-H method. New FRM* will be forthcoming in the near future. |
| otochemical xidants | 1-hour[b] | 160 $\mu g/m^3$ (0.08 ppm) | (Same as primary) | The FRM* measures $O_3$ (ozone). |

| | | | | |
|---|---|---|---|---|
| Hydrocarbons (nonmethane) | 3-hour (6 to 9 a.m.) | 160 $\mu g/m^3$ (0.24 ppm) | (Same as primary) | The HC standard is a gui to devising State Imple mentation Plans to achieve the oxidant standard. The HC stand does not have to be met if the oxidant standard is met. |

[a]The air quality standards and a description of the Federal Reference Methods *(FRM) were published on April 30, 1971 in 42 CRF 410, recodified to 40 CRF 50 on November 25, 1972.

[b]Not to be exceeded more than once per year.

Each section of this publication addresses one of the six pollutants* listed in the preceding summary and shows each acceptable collection and analysis technique represented in AEROS. When submitted, both continuous and non-continuous sampling intervals are given. For uniformity, all summaries are shown in micrograms per cubic meter ($\mu g/m^3$) except carbon monoxide, which is given in milligrams per cubic meter ($mg/m^3$). Note that the pages are printed so that individual sections (pollutant-method combinations) may be removed and inserted in a loose-leaf notebook if desired.

The format employed in this publication provides both parametric and non-parametric indices of air quality. The number of observations, the minimum and maximum value measured for the period of record, and the odd deciles plus the 95th and 99th percentiles describe the distribution of observed values. The arithmetic and geometric means and standard deviations provide some measure of central tendency and dispersion.

Each summary line is preceded by the Air Quality Control Region within which the sampling site is located,[4] the city or county (parish, election district, or regional planning district), the three-digit site number within the city or county, and an Agency Type Code that indicates the type of agency responsible for the laboratory analysis. A Project Code is shown with the Agency Type Code to indicate the type of surveillance being conducted. Some principal Agency-Project Codes are:

*Ozone included.

4. Directory of Air Quality Monitoring Sites 1972, EPA-450/2-73-006. Environmental Protection Agency, Office of Air and Water Programs, Office of Air Quality Planning and Standards, Research Triangle Park, N. C. 27711. September 1973.

## SAROAD AGENCY TYPES

| | |
|---|---|
| A | EPA Headquarters group responsible for atmospheric surveillance |
| B | EPA Headquarters group responsible for meteorological activity |
| C | EPA Headquarters group responsible for effects research |
| D | EPA Headquarters group responsible for atmospheric research |
| E | EPA Headquarters group responsible for abatement activity |
| F | State agency |
| G | County agency |
| H | City agency |
| I | District agency |
| J | Private |
| K | Institution (university, college, etc.) |
| L | Military |
| M | International agency |
| N | Other Federal nonmilitary agencies |
| P | EPA Regional Office group responsible for atmospheric surveillance |
| Q | World Meteorological Organization |
| R | World Health Organization |
| S-Y | Open for future expansion |
| Z | Other |

SAROAD PROJECT CLASSIFICATIONS

| | |
|---|---|
| 01 | Population-oriented surveillance |
| 02 | Source-oriented ambient surveillance |
| 03 | Background surveillance |
| 04 | Complaint investigation |
| 05 | Special studies |
| 06 | Episode monitoring |
| 08 | Global surveillance |
| 09 | Duplicate sampling |
| 10 | Continuous Air Monitoring Program |
| 11-99 | For Federal network and future expansion |

SUMMARY CRITERIA

Ambient air quality observations which are reported to EPA must satisfy minimum summary criteria--the basis of which is sampling interval (e.g., continuous, non-continuous) and period of coverage (e.g., quarterly, annually). The arithmetic mean, geometric mean, airthmetic standard deviation, and geometric standard deviation are calculated and summarized in this report for data having met these criteria. Reports are available from the National Air Data Branch or the appropriate EPA Regional Office which give the means and standard deviations even though the minimum summary criteria are not satisfied.

Criteria for continuous observations with sampling intervals of less than 24 hours are as follows:

Data representing quarterly periods must reflect a minimum of 75 percent of the total number of possible observations for the applicable quarter.

Data representing annual periods must reflect a minimum of 75 percent of the total number of possible observations for the applicable year.

Criteria for non-continuous observations with sampling intervals of 24 hours or greater are as follows:

Data representing quarterly periods must reflect a minimum of five observations for the applicable quarter. Should there be no measurements in one of the three months of the quarter, each remaining month must have no less than two observations reported for the applicable period.

Data representing annual periods must reflect four quarters of observation that have satisfied the quarterly criteria.

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

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| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 002 Montgomery | 001 | A01 | 25 | 26. | 29. | 49. | 59. | 83. | 118. | 119. | 154. | 154. | 68. | 33.25 | 60.78 | 1.64 |
| 003 Gadsden | 001 | A01 | 23 | 14. | 46. | 70. | 89. | 100. | 116. | 119. | 143. | 143. | 84. | 28.76 | 77.21 | 1.61 |
| 004 Bessemer | 001 | G01 | 175 | 38. | 72. | 109. | 134. | 168. | 247. | 277. | 337. | 337. | 147. | 63.65 | 134.04 | 1.55 |
| 004 Birmingham | 003 | A01 | 20 | 38. | 55. | 71. | 100. | 111. | 165. | 175. | 255. | 255. | | | | |
| | 005 | G02 | 200 | 66. | 106. | 170. | 223. | 284. | 395. | 461. | 758. | 791. | 247. | 128.11 | 217.93 | 1.65 |
| | 009 | G01 | 334 | 33. | 78. | 124. | 170. | 212. | 287. | 347. | 444. | 607. | 180. | 88.16 | 159.61 | 1.67 |
| | 010 | G01 | 193 | 32. | 67. | 101. | 136. | 169. | 226. | 254. | 337. | 367. | 141. | 64.03 | 126.90 | 1.61 |
| | 011 | G01 | 142 | 39. | 60. | 98. | 123. | 151. | 198. | 213. | 267. | 268. | 127. | 51.86 | 115.94 | 1.55 |
| 004 Tarrant City | 001 | G01 | 188 | 29. | 81. | 108. | 138. | 168. | 232. | 254. | 393. | 396. | | | | |
| 005 Mobile | 001 | A01 | 17 | 45. | 64. | 90. | 114. | 143. | 196. | 233. | 233. | 233. | | | | |
| | 001 | G01 | 7 | 30. | 30. | 75. | 76. | 103. | 121. | 121. | 121. | 121. | | | | |
| | 002 | G01 | 10 | 34. | 34. | 126. | 138. | 176. | 200. | 200. | 200. | 200. | | | | |
| | 004 | G01 | 22 | 61. | 86. | 101. | 148. | 163. | 212. | 274. | 319. | 319. | | | | |
| | 006 | G01 | 6 | 47. | 47. | 70. | 73. | 149. | 222. | 222. | 222. | 222. | | | | |
| | 007 | G01 | 38 | 14. | 27. | 39. | 47. | 63. | 84. | 92. | 96. | 96. | | | | |
| | 008 | G01 | 7 | 45. | 45. | 72. | 100. | 188. | 198. | 198. | 198. | 198. | | | | |
| | 009 | G01 | 41 | 15. | 21. | 33. | 39. | 64. | 87. | 125. | 160. | 160. | | | | |
| 005 Mobile Co | 013 | G01 | 37 | 6. | 26. | 40. | 46. | 60. | 105. | 121. | 132. | 132. | | | | |
| | 021 | G01 | 33 | 25. | 57. | 62. | 86. | 111. | 189. | 415. | 495. | 495. | | | | |
| 005 Mountain Brook | 001 | G03 | 123 | 1. | 31. | 44. | 54. | 64. | 86. | 98. | 141. | 154. | 57. | 24.42 | 49.46 | 2.04 |
| 005 Prichard | 003 | G01 | 2 | 70. | 70. | 70. | 70. | 213. | 213. | 213. | 213. | 213. | | | | |
| 005 Saraland | 001 | G01 | 38 | 15. | 26. | 38. | 53. | 69. | 95. | 99. | 106. | 106. | | | | |
| 007 Huntsville | 001 | A01 | 24 | 23. | 33. | 48. | 58. | 75. | 95. | 112. | 118. | 118. | 63. | 25.45 | 57.71 | 1.54 |
| | 002 | H01 | 76 | 16. | 23. | 32. | 39. | 49. | 63. | 66. | 108. | 108. | 42. | 15.45 | 39.44 | 1.45 |
| | 003 | H01 | 237 | 11. | 34. | 46. | 58. | 71. | 96. | 113. | 134. | 143. | 62. | 25.73 | 56.83 | 1.56 |
| | 004 | H01 | 79 | 9. | 30. | 38. | 44. | 56. | 73. | 75. | 111. | 111. | 49. | 17.45 | 45.84 | 1.45 |
| **ALASKA** | | | | | | | | | | | | | | | | |
| 008 Anchorage | 003 | A01 | 26 | 14. | 21. | 39. | 53. | 89. | 167. | 185. | 211. | 211. | 76. | 54.77 | 59.03 | 2.13 |
| 009 Fairbanks | 001 | A01 | 9 | 63. | 63. | 66. | 87. | 146. | 189. | 189. | 189. | 189. | | | | |
| **ARIZONA** | | | | | | | | | | | | | | | | |
| 012 Clifton | 003 | F02 | 45 | 16. | 20. | 30. | 40. | 51. | 80. | 159. | 692. | 692. | 61. | 100.89 | 42.94 | 1.95 |
| 012 Cochise Co | 001 | F02 | 39 | 15. | 56. | 97. | 142. | 214. | 364. | 420. | 438. | 438. | 171. | 113.23 | 136.49 | 2.06 |
| | 002 | F02 | 20 | 22. | 35. | 51. | 62. | 83. | 89. | 143. | 245. | 245. | | | | |
| 012 Douglas | 001 | A01 | 10 | 21. | 21. | 103. | 115. | 122. | 229. | 374. | 374. | 374. | | | | |
| | 003 | F02 | 26 | 41. | 65. | 99. | 166. | 284. | 374. | 420. | 438. | 438. | | | | |
| 013 Mohave Co | 006 | F02 | 51 | 9. | 13. | 22. | 37. | 50. | 73. | 109. | 219. | 219. | 44. | 38.97 | 33.11 | 2.08 |
| 013 Yuma | 002 | F01 | 45 | 41. | 50. | 67. | 77. | 106. | 239. | 295. | 673. | 673. | 120. | 112.83 | 94.32 | 1.86 |
| 014 Coconino Co | 002 | F03 | 17 | 7. | 7. | 18. | 38. | 48. | 85. | 136. | 136. | 136. | | | | |
| | 003 | F03 | 18 | 14. | 14. | 30. | 41. | 74. | 123. | 216. | 216. | 216. | | | | |
| 014 Flagstaff | 001 | F01 | 26 | 24. | 28. | 38. | 55. | 62. | 77. | 87. | 152. | 152. | 55. | 25.66 | 50.62 | 1.50 |
| 014 Grand Canyon Nat Park | 001 | A03 | 18 | 14. | 15. | 24. | 34. | 61. | 146. | 216. | 216. | 216. | | | | |
| 014 Navajo Co | 001 | F03 | 9 | 40. | 40. | 77. | 100. | 113. | 289. | 289. | 289. | 289. | | | | |
| | 002 | F02 | 25 | 27. | 28. | 38. | 63. | 94. | 227. | 280. | 325. | 325. | | | | |
| 014 Yavapai Co | 001 | F02 | 33 | 24. | 29. | 44. | 56. | 81. | 110. | 222. | 388. | 388. | | | | |
| | 002 | F03 | 22 | 7. | 8. | 13. | 24. | 33. | 44. | 49. | 112. | 112. | | | | |
| 015 Ajo | 001 | F02 | 18 | 17. | 31. | 44. | 79. | 94. | 324. | 588. | 588. | 588. | | | | |
| 015 Claypool | 001 | F02 | 31 | 41. | 75. | 100. | 142. | 180. | 253. | 309. | 358. | 358. | | | | |
| 015 Gila Co | 002 | F02 | 30 | 27. | 71. | 92. | 114. | 137. | 185. | 250. | 270. | 270. | | | | |
| 015 Maricopa Co | 001 | A01 | 26 | 22. | 58. | 69. | 82. | 114. | 160. | 232. | 234. | 234. | 99. | 50.10 | 88.60 | 1.64 |
| | 003 | G01 | 27 | 48. | 95. | 193. | 736. | 1325. | 2096. | 2462. | 2730. | 2730. | 880. | 784.76 | 497.68 | 3.43 |
| 015 Phoenix | 002 | A01 | 30 | 76. | 91. | 116. | 134. | 147. | 208. | 242. | 417. | 417. | 145. | 63.91 | 135.42 | 1.41 |
| | 002 | G01 | 2 | 167. | 167. | 167. | 167. | 220. | 220. | 220. | 220. | 220. | | | | |
| | 004 | G01 | 24 | 69. | 93. | 110. | 140. | 157. | 203. | 208. | 255. | 255. | 140. | 44.53 | 133.83 | 1.38 |
| | 006 | G01 | 26 | 103. | 127. | 166. | 209. | 235. | 276. | 290. | 349. | 349. | 204 | 59.10 | 195.03 | 1.36 |
| 015 Pima Co | 005 | F03 | 32 | 15. | 22. | 25. | 32. | 47. | 59. | 75. | 112. | 112. | | | | |
| | 006 | F02 | 22 | 37 | 63. | 94. | 123. | 193. | 243. | 551. | 668. | 668. | | | | |
| 015 Pinal Co | 001 | F02 | 50 | 32. | 65. | 103. | 130. | 161. | 215. | 284. | 436. | 436. | 143. | 81.29 | 124.41 | 1 73 |
| | 002 | F02 | 7 | 35. | 35. | 80. | 86. | 89. | 161. | 161. | 161. | 161. | | | | |
| 015 Scottsdale | 001 | G01 | 25 | 90. | 113. | 158. | 186. | 239. | 373. | 561. | 866. | 866 | 234. | 165.50 | 201.54 | 1.67 |
| 015 Superior | 003 | F01 | 50 | 31. | 66. | 111. | 136. | 192. | 316. | 439. | 758. | 758. | 176. | 128.43 | 144.69 | 1.86 |
| 015 Tucson | 001 | A01 | 25 | 36. | 63. | 71. | 88. | 107. | 135. | 145. | 175. | 175. | 94 | 32.99 | 87.79 | 1.46 |
| | 010 | G01 | 10 | 16. | 16. | 39. | 48. | 58. | 84. | 85. | 85. | 85. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

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| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARKANSAS** | | | | | | | | | | | | | | | | |
| 016 Little Rock | 001 | A01 | 24 | 34. | 50. | 61. | 72. | 92. | 116. | 117. | 129. | 129. | | | | |
| 018 West Memphis | 001 | A01 | 24 | 7. | 8. | 24. | 81. | 109. | 152. | 152. | 162. | 162. | 72. | 52.95 | 45.31 | 3.10 |
| 021 Montgomery Co | 001 | A03 | 24 | 14. | 21. | 26. | 31. | 39. | 52. | 58. | 156. | 156. | 38. | 27.70 | 33.16 | 1.62 |
| 022 Texarkana | 001 | A01 | 17 | 29. | 41. | 51. | 58. | 113. | 129. | 174. | 174. | 174. | | | | |
| **CALIFORNIA** | | | | | | | | | | | | | | | | |
| 024 Anaheim | 001 | A01 | 25 | 54. | 77. | 92. | 109. | 130. | 197. | 222. | 325. | 325. | 126. | 58.21 | 115.58 | 1.50 |
| | 001 | I01 | 91 | 1. | 40. | 68. | 87. | 110. | 157. | 182. | 294. | 294. | 93. | 50.77 | 69.12 | 3.20 |
| 024 Azusa | 002 | I01 | 36 | 28. | 74. | 119. | 152. | 202. | 255. | 273. | 418. | 418. | | | | |
| 024 Burbank | 002 | A01 | 25 | 54. | 94. | 113. | 133. | 150. | 194. | 238. | 320. | 320. | 140. | 54.66 | 130.85 | 1.46 |
| 024 Camarillo | 001 | I01 | 32 | 1. | 32. | 69. | 88. | 110. | 126. | 131. | 206. | 206. | | | | |
| 024 Glendale | 001 | A01 | 26 | 42. | 44. | 72. | 96. | 104. | 118. | 122. | 137. | 137. | 89. | 25.87 | 84.90 | 1.40 |
| 024 La Habra | 001 | I01 | 84 | 1. | 63. | 95. | 110. | 137. | 178. | 264. | 365. | 365. | 123. | 65.40 | 99.91 | 2.58 |
| 024 Lennox | 001 | I01 | 36 | 42. | 102. | 122. | 138. | 158. | 203. | 253. | 276. | 276. | | | | |
| 024 Long Beach | 001 | A01 | 23 | 45. | 56. | 78. | 86. | 104. | 121. | 135. | 150. | 150. | 91. | 26.01 | 87.03 | 1.35 |
| 024 Los Angeles | 001 | A01 | 24 | 67. | 76. | 120. | 133. | 161. | 198. | 213. | 275. | 275. | 141. | 48.01 | 133.07 | 1.42 |
| | 001 | I01 | 36 | 1. | 72. | 128. | 160. | 181. | 206. | 249. | 304. | 304. | | | | |
| 024 Ontario | 001 | A01 | 24 | 28. | 66. | 103. | 112. | 145. | 185. | 209. | 251. | 251. | 123. | 51.18 | 111.29 | 1.62 |
| 024 Pasadena | 001 | A01 | 24 | 47. | 65. | 94. | 102. | 120. | 147. | 160. | 181. | 181. | 105. | 31.38 | 100.20 | 1.38 |
| 024 Riverside | 001 | A01 | 16 | 59. | 74. | 84. | 119. | 148. | 212. | 242. | 242. | 242. | | | | |
| 024 San Bernardino | 001 | A01 | 24 | 39. | 53. | 70. | 86. | 168. | 225. | 240. | 241. | 241. | 121. | 66.45 | 103.70 | 1.77 |
| | 001 | I01 | 34 | 1. | 55. | 87. | 151. | 189. | 218. | 313. | 419. | 419. | | | | |
| 024 Santa Ana | 001 | A01 | 25 | 56. | 82. | 114. | 133. | 171. | 233. | 340. | 361. | 361. | 154. | 73.25 | 139.83 | 1.55 |
| 024 Santa Barbara | 002 | F01 | 62 | 1. | 34. | 51. | 63. | 74. | 101. | 106. | 168. | 168. | 65. | 28.48 | 55 36 | 2.16 |
| 024 Torrance | 001 | A01 | 21 | 40. | 52. | 72. | 78. | 93. | 159. | 182. | 204. | 204. | | | | |
| 025 Monterey | 001 | I01 | 25 | 14. | 27. | 32. | 41. | 49. | 68. | 72. | 88. | 88. | 44. | 17.10 | 40.59 | 1.49 |
| 025 Monterey Co | 001 | I01 | 25 | 1. | 34. | 65. | 76. | 95. | 124. | 154. | 211. | 211. | 81. | 42.85 | 61.70 | 3.04 |
| 025 Salinas | 001 | I01 | 65 | 20. | 36. | 48. | 62. | 90. | 127. | 146. | 207. | 207. | 74. | 38.44 | 65.18 | 1.65 |
| 025 Santa Cruz Co | 001 | I01 | 25 | 23. | 36. | 43. | 50. | 58. | o9. | 73. | 74. | 74. | 50. | 12.62 | 48.46 | 1.31 |
| 026 Eureka | 002 | F01 | 68 | 9. | 22. | 34. | 47. | 62. | 83. | 89. | 188. | 188. | 51. | 27.67 | 45.00 | 1.69 |
| 026 Humboldt Co | 001 | A03 | 6 | 17. | 17. | 27. | 29. | 31. | 55. | 55. | 55. | 55. | | | | |
| 028 Chico | 001 | F01 | 70 | 14. | 25. | 38. | 55. | 81. | 101. | 115. | 174. | 174. | 62. | 33.28 | 53.67 | 1.76 |
| 028 Redding | 002 | F01 | 67 | 12. | 23. | 33. | 44. | 62. | 93. | 96. | 105. | 105. | 50. | 23.79 | 44.34 | 1.63 |
| 028 Sacramento | 001 | A01 | 25 | 24. | 31. | 42. | 54. | 63. | 107. | 138. | 161. | 161. | 61. | 33.46 | 54.09 | 1.62 |
| | 003 | F01 | 38 | 17. | 40. | 61. | 73. | 104. | 128. | 144. | 191. | 191. | | | | |
| 028 Yuba City | 001 | F01 | 31 | 17. | 29. | 84. | 100. | 121. | 158. | 175. | 177. | 177. | | | | |
| 029 El Cajon | 001 | I01 | 45 | 34. | 53. | 70. | 90. | 105. | 155. | 180. | 210. | 210. | | | | |
| 029 San Diego | 001 | A01 | 24 | 29. | 43. | 53. | 63. | 69. | 102. | 116. | 116. | 116. | | | | |
| | 001 | G01 | 42 | 38. | 51. | 60. | 69. | 90. | 117. | 126. | 140. | 140. | | | | |
| 030 Berkeley | 001 | A01 | 21 | 21. | 24. | 34. | 42. | 53. | 72. | 73. | 211. | 211. | | | | |
| 030 Fremont | 001 | I01 | 114 | 17. | 28. | 40. | 51. | 65. | 87. | 96. | 112. | 127. | | | | |
| 030 Livermore | 002 | I01 | 115 | 18. | 38. | 59. | 73. | 84. | 104. | 112. | 130. | 161. | | | | |
| 030 Oakland | 001 | A01 | 25 | 3. | 31. | 41. | 49. | 70. | 98. | 112. | 118. | 118. | 58. | 28.10 | 48.93 | 2.03 |
| 030 Pittsburg | 001 | I01 | 142 | 8. | 21. | 30. | 40. | 50. | 74. | 99. | 132 | 133. | 45. | 24.41 | 39.58 | 1.69 |
| 030 Redwood City | 001 | I01 | 154 | 6. | 17. | 25. | 35. | 47. | 70. | 87. | 112. | 127 | 40. | 22.58 | 33.76 | 1.80 |
| 030 San Francisco | 001 | A01 | 26 | 27. | 30. | 43. | 51. | 65. | 79. | 83. | 163. | 163. | 57. | 27.69 | 51.99 | 1.52 |
| | 003 | I01 | 165 | 14. | 30. | 38. | 45. | 57. | 73. | 80. | 90. | 128. | | | | |
| 030 San Jose | 003 | A01 | 25 | 45. | 53. | 83. | 96. | 116. | 191. | 194. | 242. | 242. | 108. | 49.69 | 98.12 | 1.54 |
| 030 San Rafael | 001 | I01 | 130 | 12. | 25. | 36. | 44. | 56. | 76. | 91. | 121. | 125. | 49. | 21.83 | 44.34 | 1.55 |
| 031 Bakersfield | 003 | F01 | 45 | 58. | 85. | 116. | 144. | 158. | 249. | 281. | 800. | 900. | | | | |
| 031 Fresno | 002 | A01 | 16 | 39. | 49. | 62. | 66. | 117. | 138. | 239. | 239. | 239. | | | | |
| | 002 | F01 | 73 | 1. | 48. | 71. | 94. | 124. | 178. | 209. | 490. | 490. | 106. | 67.02 | 87.56 | 2.23 |
| 031 Stockton | 002 | F01 | 69 | 17. | 42. | 58. | 73. | 94. | 146. | 158. | 235. | 235. | 82 | 40.39 | 73.30 | 1.63 |
| 031 Visalia | 001 | F01 | 71 | 17. | 74. | 125. | 150. | 202. | 258. | 369. | 584. | 584. | 173. | 105.61 | 145.44 | 1.86 |
| 032 San Luis Obispo | 001 | F01 | 73 | 13. | 27. | 35. | 45. | 53. | 71. | 72. | 92. | 92. | 46. | 17.25 | 42.52 | 1.51 |
| 033 Banning | 001 | I01 | 26 | 8. | 27. | 49. | 79. | 92. | 109. | 113. | 156. | 156. | | | | |
| 033 India | 001 | I01 | 53 | 34. | 69. | 109. | 165. | 214. | 326. | 453. | 588. | 588. | 188. | 116.47 | 156.09 | 1.88 |
| 033 Palm Springs | 001 | I01 | 29 | 16. | 25. | 65. | 89. | 120. | 236. | 249. | 271. | 271. | | | | |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 014 Cortez | 001 | F01 | 73 | 9. | 25. | 37. | 47. | 59. | 112. | 143. | 210. | 210. | 57. | 38.65 | 47.36 | 1.83 |
| 014 Durango | 003 | F01 | 71 | 20. | 39. | 53. | 65. | 87. | 136. | 184. | 333. | 333. | 80. | 50.85 | 69.37 | 1.71 |
| 014 La Plata Co | 001 | F03 | 62 | 6. | 12. | 26. | 38. | 64. | 96. | 127. | 196. | 196. | | | | |
| 014 Mesa Verde Nat Park | 002 | A03 | 24 | 6. | 8. | 11. | 13. | 23. | 40. | 54. | 104. | 104. | 22. | 20.93 | 16.67 | 1.98 |
| | 003 | F03 | 55 | 1. | 5. | 11. | 16. | 23. | 40. | 87. | 238. | 238. | | | | |
| 014 Montezuma Co | 002 | F03 | 48 | 7. | 22. | 38. | 52. | 69. | 91. | 112. | 249. | 249. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **COLORADO — Cont.** | | | | | | | | | | | | | | | | |
| | 003 | F03 | 51 | 11. | 44. | 58. | 76. | 102. | 151. | 293. | 354. | 354. | | | | |
| 034 La Junta | 001 | F01 | 85 | 10. | 26. | 41. | 53. | 63. | 101. | 117. | 244. | 244. | 58. | 33.05 | 51.26 | 1.68 |
| 034 Rocky Ford | 001 | F01 | 84 | 12. | 28. | 45. | 62. | 79. | 100. | 142. | 246. | 246. | 66. | 36.27 | 58.01 | 1.71 |
| 035 Delta | 001 | F01 | 30 | 40. | 47. | 66. | 80. | 119. | 194. | 216. | 338. | 338. | | | | |
| 035 Garfield Co | 001 | F01 | 86 | 25. | 52. | 73. | 98. | 123. | 212. | 232. | 364. | 364. | 113. | 64.30 | 97.90 | 1.71 |
| 035 Glenwood Springs | 001 | F01 | 88 | 14. | 30. | 42. | 57. | 74. | 111. | 116. | 152. | 152. | 63. | 29.52 | 56.82 | 1.62 |
| 035 Grand Junction | 009 | F01 | 90 | 23. | 46. | 59. | 77. | 95. | 123. | 149. | 356. | 356. | 87. | 50.18 | 77.25 | 1.58 |
| 035 Mesa Co | 001 | F01 | 86 | 11. | 35. | 54. | 69. | 88. | 145. | 171. | 350. | 350. | 82. | 54.80 | 69.67 | 1.77 |
| | 002 | F01 | 90 | 12. | 21. | 28. | 38. | 56. | 78. | 102. | 245. | 245. | 49. | 37.66 | 40.28 | 1.79 |
| 035 Montrose | 001 | F01 | 76 | 22. | 45. | 58. | 81. | 100. | 148. | 168. | 271. | 271. | 88. | 44.82 | 77.79 | 1.66 |
| 035 Pitkin Co | 001 | F01 | 62 | 8. | 20. | 48. | 72. | 104. | 155. | 207 | 492 | 492. | | | | |
| 036 Adams Co | 001 | F01 | 88 | 15. | 45. | 73. | 96. | 127. | 164. | 185. | 285. | 285. | 101. | 47.50 | 89.45 | 1.70 |
| 036 Arvada | 001 | F01 | 87 | 13. | 73. | 95. | 116. | 134. | 173. | 213. | 280. | 280. | 120. | 45.87 | 110.44 | 1.59 |
| 036 Aurora | 001 | F01 | 86 | 23. | 37. | 62. | 78. | 94. | 145. | 179. | 194. | 194. | 83. | 38.99 | 74.17 | 1.61 |
| 036 Boulder | 001 | F01 | 81 | 8. | 39. | 57. | 68. | 84. | 108. | 127. | 165. | 165. | 72. | 29.10 | 65.20 | 1.60 |
| 036 Brighton | 001 | F01 | 89 | 29. | 50. | 72. | 92. | 110. | 134. | 144. | 218. | 218. | 93. | 34.90 | 86.09 | 1.48 |
| 036 Clear Creek Co | 001 | F01 | 85 | 17. | 35. | 65. | 83. | 100. | 119. | 130. | 269. | 269. | 82. | 36.59 | 74.23 | 1.62 |
| 036 Denver | 001 | A01 | 25 | 39. | 62. | 85. | 108. | 153. | 269. | 332. | 344. | 344. | 139. | 86.09 | 117.83 | 1.79 |
| | 001 | F01 | 79 | 19. | 71. | 103. | 119. | 150. | 244. | 299. | 359. | 359. | 140. | 70.24 | 124.38 | 1.65 |
| | 002 | A10 | 117 | 74. | 101. | 145. | 180. | 216. | 351. | 518. | 729. | 888. | 213. | 134.97 | 185.60 | 1.64 |
| | 003 | F02 | 65 | 18. | 58. | 98. | 122. | 163. | 258. | 322. | 475. | 475. | 145. | 86.24 | 123.05 | 1.80 |
| | 004 | F01 | 86 | 34. | 58. | 93. | 117. | 135. | 167. | 236. | 365. | 365. | 123. | 57.92 | 111.93 | 1.55 |
| | 006 | F01 | 71 | 5. | 49. | 72. | 88. | 112. | 150. | 180. | 292. | 292. | 96. | 49.43 | 83.84 | 1.79 |
| | 007 | F01 | 88 | 17. | 39. | 59. | 74. | 88. | 105. | 117. | 137. | 137. | 74. | 25.83 | 69.41 | 1.49 |
| | 008 | F01 | 12 | 49. | 50. | 66. | 80. | 90. | 163. | 265. | 265. | 265. | | | | |
| | 009 | F01 | 84 | 22. | 42. | 73. | 87 | 107. | 131. | 160. | 215. | 215. | 90. | 38.01 | 81.66 | 1.59 |
| 036 Douglas Co | 001 | F01 | 84 | 2. | 36. | 59. | 69. | 85. | 122 | 131. | 154. | 154. | 74. | 31.53 | 65.36 | 1.79 |
| 036 Edgewater | 001 | F01 | 85 | 22. | 55. | 88. | 107. | 133. | 174. | 198 | 305. | 305. | 112. | 47.81 | 102.21 | 1.57 |
| 036 Englewood | 001 | F01 | 88 | 37. | 64. | 88. | 105. | 131. | 178. | 201. | 290. | 290. | 116. | 49.10 | 106.48 | 1.52 |
| 036 Gilpin Co | 001 | F01 | 82 | 9. | 21. | 42. | 55. | 71. | 98. | 112. | 296. | 296. | 61. | 38.31 | 51.86 | 1.81 |
| 036 Golden | 001 | F01 | 87 | 13. | 35. | 59. | 76. | 96. | 135. | 153. | 194. | 194. | 81. | 38.75 | 71.15 | 1.71 |
| 036 Jefferson Co | 001 | F02 | 86 | 4. | 25. | 44. | 56. | 66. | 99. | 106. | 192. | 192. | 59. | 30.72 | 51.86 | 1.75 |
| 036 Lakewood | 001 | F01 | 81 | 16. | 38. | 58. | 79. | 93. | 119. | 134. | 225. | 225. | 80. | 39.01 | 71.10 | 1.64 |
| 036 Longmont | 001 | F01 | 73 | 32. | 59. | 83. | 98. | 136. | 222. | 271. | 376. | 376. | 121. | 69.98 | 105.47 | 1.67 |
| 036 Westminster | 002 | F01 | 81 | 13. | 34. | 63. | 79 | 96. | 111. | 144. | 199. | 199. | 79. | 35.10 | 70.22 | 1.68 |
| 037 Fort Collins | 001 | F01 | 81 | 26. | 43. | 60. | 77. | 100. | 134. | 142. | 284. | 284. | 84. | 39.80 | 75.77 | 1.57 |
| 037 Greeley | 003 | F01 | 78 | 16. | 33. | 69. | 96. | 123. | 237. | 262. | 309. | 309. | 111. | 67.26 | 92.34 | 1.89 |
| | 004 | F01 | 88 | 23. | 41. | 77. | 96. | 142. | 218. | 234. | 346. | 346. | 118. | 67.93 | 98.62 | 1.87 |
| 037 Gunnison | 001 | F01 | 36 | 13. | 23. | 35. | 39 | 61. | 116. | 186. | 237. | 237. | | | | |
| 037 Larimer Co | 002 | F01 | 74 | 14. | 20. | 32. | 46. | 64. | 106. | 115. | 122. | 122. | 54. | 30.35 | 45.84 | 1.79 |
| 037 Littleton | 001 | F01 | 86 | 28. | 58. | 92. | 109. | 144. | 201. | 223. | 388. | 388. | 125. | 61.46 | 112.57 | 1.60 |
| 037 Loveland | 001 | F01 | 66 | 14. | 40. | 72. | 85. | 113. | 157. | 173. | 199. | 199. | 94. | 42.19 | 82.77 | 1.73 |
| 037 Sterling | 001 | F01 | 75 | 25. | 45. | 73. | 91. | 117. | 164. | 244. | 259. | 259. | 105. | 55.11 | 91.78 | 1.69 |
| 037 Weld Co | 001 | F01 | 81 | 13. | 42. | 68. | 92. | 112. | 138. | 164. | 190. | 190. | 91. | 38.83 | 82.18 | 1.65 |
| | 002 | F01 | 87 | 19. | 36. | 83. | 113. | 159. | 223. | 236. | 290. | 290. | 124. | 67.97 | 102.98 | 1.93 |
| | 003 | F01 | 90 | 25. | 48. | 84. | 106 | 139. | 169. | 186. | 421. | 421. | 113. | 55.91 | 100.11 | 1.67 |
| 038 Arapahoe Co | 001 | F03 | 86 | 14. | 24. | 42. | 61. | 90. | 146. | 161. | 327. | 327. | 77. | 57.37 | 60.83 | 1.98 |
| 038 Canon City | 001 | F01 | 91 | 13. | 24. | 39. | 59 | 74. | 93. | 106. | 148. | 148. | 59. | 27.57 | 51.97 | 1.68 |
| 038 Colorado Springs | 003 | F01 | 86 | 34. | 58. | 77. | 96. | 120. | 163. | 184. | 288. | 288. | 103. | 43.63 | 95.18 | 1.51 |
| 038 Florence | 001 | F01 | 81 | 9 | 45. | 63. | 79. | 94. | 110. | 129. | 162. | 162. | 79. | 27.67 | 73.51 | 1.52 |
| 038 Manitou Springs | 001 | F01 | 86 | 24. | 37. | 57. | 71. | 87. | 115. | 130. | 187. | 187. | 75. | 30.51 | 69.24 | 1.52 |
| 038 Pueblo | 001 | F01 | 86 | 24. | 61. | 111. | 132. | 174. | 226. | 269. | 426. | 426. | 145. | 68.32 | 129.40 | 1.66 |
| | 003 | F01 | 83 | 49. | 77. | 110. | 133. | 161. | 214. | 296. | 705. | 705. | 154. | 94.01 | 136.95 | 1.58 |
| 038 Trinidad | 001 | F01 | 91 | 23. | 41. | 64. | 79. | 97. | 127. | 165. | 316. | 316. | 86. | 43.45 | 76.84 | 1.59 |
| 038 Walsenburg | 001 | F01 | 90 | 34. | 53. | 82. | 108. | 143. | 178. | 222. | 414. | 414. | 118. | 60.14 | 104.84 | 1.64 |
| 039 Alamosa | 001 | F01 | 81 | 22. | 37. | 51. | 66. | 84. | 110. | 139. | 224. | 224. | 73. | 37.87 | 65.36 | 1.60 |
| 039 Alamosa Co | 001 | F03 | 85 | 3. | 6. | 11. | 15. | 23. | 35. | 50. | 139. | 139. | 22. | 23.22 | 15.79 | 2.14 |
| 039 Rio Blanco Co | 001 | F01 | 26 | 14. | 17. | 24. | 40. | 43. | 110. | 117. | 127. | 127. | | | | |
| | 002 | F01 | 26 | 12. | 15. | 26. | 35. | 43. | 61. | 85. | 94. | 94. | | | | |
| | 003 | F03 | 26 | 3. | 4. | 5. | 8. | 14. | 29. | 32. | 51. | 51. | | | | |
| 040 Craig | 001 | F01 | 86 | 12. | 25. | 54. | 68. | 82. | 116. | 134. | 225. | 225. | 72. | 37.46 | 63.30 | 1.73 |
| 040 Grand Co | 001 | F01 | 7 | 14. | 14. | 20. | 22. | 23. | 29. | 29. | 29. | 29. | | | | |
| | 002 | F01 | 86 | 7. | 31. | 62. | 85. | 112. | 142. | 152. | 340. | 340. | 90. | 51.37 | 74.14 | 2.00 |
| 040 Routt Co | 001 | F01 | 68 | 3. | 15. | 22. | 39. | 49. | 68. | 78. | 146. | 146. | 40. | 25.20 | 33.13 | 1.94 |
| | 002 | F01 | 87 | 25. | 37. | 71. | 94. | 149. | 196. | 247. | 358. | 358. | 114. | 71.17 | 94.01 | 1.91 |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 041 Groton | 001 | F01 | 52 | 29. | 45. | 59. | 85. | 110. | 169. | 198. | 233. | 233. | 96. | 50.15 | 84.95 | 1.66 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **CONNECTICUT – Cont.** | | | | | | | | | | | | | | | | |
| 041 Norwich | 001 | F01 | 55 | 21. | 45. | 58. | 69. | 79. | 101 | 114. | 125. | 125. | 70. | 22.52 | 66.34 | 1.44 |
| 041 Putnam | 001 | F01 | 3 | 62. | 62. | 62. | 74. | 115. | 115. | 115. | 115. | 115. | | | | |
| | 002 | F01 | 52 | 29. | 58. | 73. | 104. | 127. | 184. | 291. | 360. | 360. | 114. | 64.85 | 100.72 | 1.64 |
| 042 Ansonia | 001 | F01 | 11 | 85. | 104. | 112. | 134. | 176. | 202. | 295. | 295. | 295. | | | | |
| | 003 | F01 | 40 | 42. | 64. | 81. | 101. | 131. | 168. | 210. | 290. | 290. | | | | |
| 042 Bristol | 001 | F01 | 50 | 14. | 22. | 39. | 57. | 70. | 83. | 97. | 138. | 138. | 57. | 25.66 | 50.39 | 1.67 |
| 042 Enfield | 001 | F01 | 44 | 13. | 51. | 70. | 80. | 104. | 143. | 178. | 197. | 197. | 91. | 40.14 | 80.91 | 1.70 |
| 042 Hartford | 001 | A01 | 23 | 29. | 39. | 52. | 71. | 76. | 89. | 110. | 131. | 131. | 68. | 23.89 | 63.80 | 1.43 |
| | 002 | F01 | 1 | 86. | 86. | 86. | 86. | 86. | 86. | 86. | 86. | 86. | | | | |
| | 003 | F01 | 167 | 24. | 50. | 73. | 87. | 107. | 144. | 159. | 209. | 248. | 94. | 38.25 | 86.28 | 1.53 |
| | 004 | F01 | 3 | 7. | 7. | 7. | 136. | 239. | 239. | 239. | 239. | 239. | | | | |
| | 005 | F01 | 17 | 57. | 71. | 86. | 91. | 184. | 320. | 325. | 325. | 325. | | | | |
| 042 Manchester | 001 | F01 | 25 | 14. | 47. | 76. | 88. | 104. | 134. | 144. | 150. | 150. | | | | |
| 042 Meriden | 001 | F01 | 51 | 19. | 26. | 31. | 37. | 48. | 71. | 87. | 119. | 119. | 45. | 22.46 | 40.49 | 1.55 |
| | 002 | F01 | 57 | 24. | 59. | 78. | 99 | 120. | 157. | 179. | 1120. | 1120. | 121. | 143.44 | 98.42 | 1.72 |
| | 003 | F01 | 54 | 14. | 37. | 60. | 73. | 103. | 130. | 378. | 470. | 470. | 102. | 93.33 | 79.24 | 1.94 |
| | 005 | F01 | 55 | 18. | 54. | 89. | 137. | 230. | 447. | 452. | 500. | 500. | 186. | 135.99 | 140.67 | 2.19 |
| | 006 | F01 | 52 | 20. | 48. | 70. | 84. | 113. | 236. | 271. | 1162. | 1162. | 124. | 159.85 | 92.48 | 1.97 |
| 042 Middletown | 001 | F01 | 57 | 7. | 19. | 30. | 37. | 44. | 62. | 81. | 87. | 87. | 40. | 18.11 | 36.23 | 1.63 |
| | 003 | F01 | 58 | 17. | 39. | 60. | 69. | 86. | 117. | 132. | 196. | 196. | 75. | 31.58 | 68.23 | 1.57 |
| 042 Milford | 001 | F01 | 54 | 15. | 34. | 46. | 52. | 74. | 96. | 115. | 160. | 160. | 62. | 28.08 | 55.62 | 1.60 |
| | 002 | F01 | 55 | 20. | 43. | 57. | 66. | 86. | 110. | 125. | 172. | 172. | 73. | 28.30 | 67.69 | 1.49 |
| | 005 | F01 | 10 | 15. | 15. | 33. | 40. | 62. | 73. | 94. | 94. | 94. | | | | |
| | 006 | F01 | 39 | 14. | 24. | 36. | 41. | 61. | 70. | 84. | 89. | 89. | | | | |
| 042 Naugatuck | 001 | F01 | 52 | 30 | 46. | 70. | 93. | 117. | 143. | 157. | 202. | 202. | 95. | 39.77 | 86.23 | 1.58 |
| 042 New Britain | 001 | F01 | 12 | 70. | 70. | 76. | 83. | 96. | 116. | 121. | 121. | 121. | | | | |
| | 002 | F01 | 56 | 18. | 54. | 79. | 99. | 116. | 152. | 190. | 304. | 304. | 104. | 46.89 | 93.70 | 1.61 |
| | 003 | F01 | 57 | 7. | 48. | 71. | 88. | 115. | 181. | 184. | 219. | 219. | 99. | 46.60 | 86.72 | 1.80 |
| | 004 | F01 | 54 | 10. | 29. | 45. | 50. | 65. | 76. | 78. | 103. | 103. | 53. | 18.97 | 48.70 | 1.54 |
| | 005 | F01 | 55 | 18. | 31. | 40. | 52. | 60. | 82. | 97. | 162. | 162. | 55. | 24.38 | 50.08 | 1.52 |
| 042 New Haven | 001 | A01 | 26 | 41. | 63. | 74. | 96. | 108. | 140. | 144. | 159. | 159. | 94. | 29.68 | 89.37 | 1.39 |
| | 001 | F01 | 137 | 1. | 39 | 56. | 66. | 82. | 116. | 129. | 200. | 470. | 75. | 45.82 | 64.23 | 2.07 |
| | 002 | F01 | 81 | 8. | 46. | 63. | 79. | 93. | 128. | 147. | 219. | 219. | 83. | 36.42 | 75.17 | 1.64 |
| | 003 | F01 | 46 | 9. | 30. | 39. | 52. | 63. | 88. | 100. | 125. | 125. | | | | |
| | 005 | F01 | 62 | 29. | 36. | 53. | 66. | 79. | 121. | 148. | 200. | 200. | | | | |
| | 009 | F01 | 63 | 21. | 35. | 46. | 61. | 72. | 93. | 110. | 242. | 242. | | | | |
| 042 Orange | 003 | F01 | 43 | 13. | 23. | 32. | 42. | 50. | 63. | 85. | 133. | 133. | 44. | 21.67 | 40.23 | 1.56 |
| 042 Thomaston | 001 | F01 | 1 | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | | | | |
| | 003 | F01 | 48 | 13. | 30. | 60. | 75. | 103. | 147. | 165. | 262. | 262. | 86. | 47.59 | 73.40 | 1.82 |
| 042 Waterbury | 001 | A01 | 26 | 39. | 46. | 74. | 86. | 116. | 152. | 156. | 161. | 161. | 94. | 34.18 | 87.66 | 1.47 |
| | 001 | F01 | 57 | 25. | 52. | 69. | 89. | 104. | 153. | 186. | 242. | 242. | 96. | 45.42 | 85.83 | 1.62 |
| 043 Bridgeport | 001 | A01 | 26 | 30. | 36. | 45. | 54. | 82. | 97. | 99. | 103. | 103. | 62. | 22.65 | 57.89 | 1.45 |
| | 001 | F01 | 56 | 19. | 36. | 48. | 53. | 66 | 106. | 148. | 171. | 171. | 63. | 31.34 | 57.52 | 1.53 |
| | 002 | F01 | 11 | 35. | 36. | 39. | 48. | 56. | 148. | 171. | 171. | 171. | | | | |
| 043 Danbury | 001 | F01 | 2 | 55. | 55. | 55. | 55. | 123. | 123. | 123. | 123. | 123. | | | | |
| 043 Fairfield | 002 | F01 | 50 | 22. | 38. | 46. | 64. | 80. | 127. | 234. | 447. | 447. | 83. | 71.47 | 68.09 | 1.80 |
| 043 Greenwich | 001 | F01 | 53 | 16. | 33. | 48. | 55. | 69. | 95. | 105. | 109. | 109. | 60. | 22.90 | 55.11 | 1.53 |
| | 002 | F01 | 52 | 19. | 39. | 52. | 60. | 72. | 100. | 109. | 129. | 129. | 65. | 23.88 | 60.90 | 1.47 |
| | 003 | F01 | 54 | 14. | 37. | 50. | 59. | 71. | 95. | 101. | 109. | 109. | 62. | 21.29 | 58.38 | 1.46 |
| | 007 | F01 | 56 | 12. | 23. | 39. | 49. | 59. | 77. | 95. | 118. | 118. | 50. | 21.87 | 45.57 | 1.59 |
| | 008 | F01 | 50 | 34. | 44. | 60. | 69. | 90. | 136. | 150. | 172. | 172. | 81. | 33.43 | 75.49 | 1.48 |
| 043 Norwalk | 001 | F01 | 60 | 21. | 37. | 48. | 57. | 72 | 99. | 100. | 180. | 180. | 64. | 26.33 | 59.87 | 1.46 |
| | 005 | F01 | 60 | 31. | 47. | 59. | 75. | 85. | 110. | 134. | 177. | 177. | 78. | 28.24 | 72.93 | 1.43 |
| 043 Stamford | 001 | F01 | 19 | 10. | 48. | 60. | 85. | 119. | 159. | 231. | 231. | 231. | | | | |
| | 003 | F01 | 39 | 18. | 61. | 100. | 135. | 173. | 258. | 287. | 359. | 359. | 146. | 77.92 | 124.96 | 1.84 |
| | 004 | F01 | 42 | 1. | 21. | 38. | 51. | 66. | 120. | 127. | 292. | 292. | 63. | 50.46 | 46.05 | 2.67 |
| | 010 | F01 | 18 | 20. | 29. | 82. | 114. | 161. | 267. | 294. | 294. | 294. | | | | |
| 043 Stratford | 001 | F01 | 47 | 27. | 35. | 44. | 51. | 72. | 107. | 131. | 153. | 153. | 64. | 31.53 | 57.96 | 1.58 |
| 044 Torrington | 001 | F01 | 56 | 19. | 46. | 63. | 80 | 104. | 161. | 225. | 847. | 847. | 106. | 115.14 | 83.01 | 1.88 |
| 044 Winchester | 001 | F01 | 56 | 15. | 37. | 50. | 57. | 70. | 95. | 117. | 168. | 168. | 63. | 25.98 | 58.17 | 1.51 |
| **DELAWARE** | | | | | | | | | | | | | | | | |
| 045 Newark | 001 | A01 | 26 | 21. | 43. | 51. | 78. | 84. | 116. | 118. | 135. | 135. | 74. | 27.54 | 68.58 | 1.52 |
| | 002 | F01 | 82 | 23. | 42. | 61. | 81. | 92. | 143. | 176. | 224. | 224. | 85. | 41.20 | 76.63 | 1.59 |
| 045 New Castle | 001 | F01 | 84 | 22. | 36. | 52. | 61. | 74. | 104. | 118. | 155. | 155. | 66. | 26.55 | 61.51 | 1.49 |
| 045 New Castle Co | 001 | F01 | 81 | 33. | 45. | 62. | 75. | 88. | 111. | 128. | 194. | 194. | 78. | 27.21 | 74.16 | 1.40 |
| | 003 | F01 | 89 | 23. | 39. | 56. | 63. | 79. | 110. | 119. | 152. | 152. | 70. | 26.49 | 65.72 | 1.47 |
| | 004 | F01 | 53 | 15. | 31. | 45. | 52. | 68. | 86. | 100. | 111. | 111. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DELAWARE — Cont.** | | | | | | | | | | | | | | | | |
| | 005 | F01 | 76 | 16. | 35. | 55. | 65. | 80. | 122. | 146. | 224. | 224. | 74. | 37.83 | 65.63 | 1.65 |
| | 006 | F01 | 87 | 16. | 32. | 43. | 54. | 66. | 90. | 101. | 125. | 125. | 58. | 22.07 | 53.49 | 1.48 |
| | 007 | F01 | 57 | 16. | 26. | 39. | 49. | 64. | 84. | 112. | 123. | 123. | | | | |
| | 010 | F01 | 84 | 20. | 33. | 49. | 60. | 71. | 101. | 132. | 151. | 151. | 65. | 28.78 | 59.24 | 1.54 |
| | 011 | F01 | 89 | 15. | 39. | 55. | 66. | 84. | 117. | 124. | 181. | 181. | 72. | 30.47 | 65.93 | 1.54 |
| 045 Wilmington | 002 | F01 | 88 | 21. | 77. | 96. | 116. | 136. | 169. | 217. | 328. | 328. | 123. | 47.15 | 115.33 | 1.47 |
| | 003 | A01 | 17 | 50. | 74. | 93. | 100. | 140. | 167. | 351. | 351. | 351. | | | | |
| | 004 | F01 | 75 | 42. | 81. | 125. | 150. | 190. | 295. | 406. | 439. | 439. | 174. | 90.70 | 152.14 | 1.71 |
| 046 Dover | 001 | F01 | 12 | 31. | 32. | 52. | 53. | 61. | 69. | 75. | 75. | 75. | | | | |
| 046 Kent Co | 001 | A03 | 21 | 20. | 23. | 32. | 41. | 61. | 79. | 80. | 111. | 111. | | | | |
| 046 Seaford | 001 | F01 | 45 | 25. | 41. | 56. | 67. | 77. | 100. | 115. | 117. | 117. | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 001 | A01 | 24 | 39. | 49. | 65. | 74. | 80. | 108. | 115. | 148. | 148. | 76. | 24.60 | 72.67 | 1.37 |
| | 001 | I02 | 32 | 43. | 52. | 62. | 72. | 87. | 100. | 119. | 158. | 158. | | | | |
| | 003 | A01 | 120 | 25. | 52. | 74. | 88. | 108. | 140. | 177. | 220. | 232. | 96. | 39.01 | 88.83 | 1.49 |
| | 003 | I02 | 18 | 33. | 49. | 76. | 105. | 130. | 202. | 266. | 266. | 266. | | | | |
| | 005 | I01 | 10 | 39. | 39. | 58. | 65. | 66. | 75. | 80. | 80. | 80. | | | | |
| | 006 | I01 | 28 | 25. | 28. | 49. | 55. | 75. | 92. | 123. | 125. | 125. | | | | |
| | 007 | I02 | 28 | 26. | 34. | 50. | 59. | 80. | 107. | 125. | 139. | 139. | | | | |
| | 009 | I02 | 47 | 48. | 52. | 66. | 83. | 95. | 118. | 133. | 175. | 175. | | | | |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 005 Panama City | 002 | F01 | 13 | 39. | 48. | 57. | 71. | 74. | 87. | 98. | 98. | 98. | | | | |
| 005 Pensacola | 001 | F01 | 20 | 45. | 53. | 68. | 79. | 99. | 145. | 152. | 220. | 220. | | | | |
| 005 West Palm Beach | 001 | F01 | 26 | 32. | 42. | 51. | 61. | 70. | 88. | 112. | 116. | 116. | 64. | 20.27 | 61.32 | 1.36 |
| 048 Orlando | 002 | F01 | 22 | 48. | 64. | 75. | 85. | 93. | 165. | 175. | 198. | 198. | | | | |
| 048 Titusville | 001 | F01 | 25 | 26. | 30. | 34. | 43. | 52. | 73. | 79. | 97. | 97. | 48. | 18.54 | 44.63 | 1.44 |
| 049 Apalachicola | 001 | F01 | 19 | 20. | 22. | 31. | 45. | 52. | 68. | 75. | 75. | 75. | | | | |
| 049 Jacksonville | 002 | A01 | 26 | 8. | 43. | 59. | 64. | 72. | 104. | 109. | 162. | 162. | 68. | 28.15 | 61.94 | 1.68 |
| | 050 | F01 | 11 | 29. | 31. | 48. | 61. | 76. | 81. | 93. | 93. | 93. | | | | |
| 049 Putnam Co | 001 | F01 | 13 | 49. | 50. | 80. | 84. | 97. | 104. | 105. | 105. | 105. | | | | |
| 050 Dade Co | 002 | G01 | 45 | 37. | 45. | 59. | 76. | 91. | 127. | 142. | 251. | 251. | 82. | 38.33 | 75.09 | 1.49 |
| 050 Miami | 002 | A01 | 25 | 36. | 49. | 59. | 71. | 79. | 95. | 125. | 145. | 145. | 72. | 25.31 | 68.23 | 1.40 |
| | 002 | F01 | 24 | 31. | 38. | 45. | 50. | 71. | 89. | 99. | 106. | 106. | 59. | 21.01 | 55.87 | 1.41 |
| | 002 | G01 | 21 | 44. | 47. | 70. | 76. | 88. | 111. | 123. | 130. | 130. | | | | |
| 052 Bradenton | 002 | G02 | 18 | 33 | 40. | 49. | 54. | 81. | 175. | 346. | 346. | 346. | | | | |
| 052 Hardee Co | 001 | A03 | 22 | 20. | 24. | 30. | 31. | 44. | 65. | 77. | 177. | 177. | 44. | 33.07 | 38.07 | 1.63 |
| | 001 | F01 | 23 | 26. | 30. | 33. | 41. | 51. | 75. | 78. | 89. | 89. | 46. | 16.83 | 43.02 | 1.40 |
| 052 Manatee Co | 005 | G02 | 20 | 19. | 22. | 31. | 34. | 52. | 63. | 67. | 125. | 125. | | | | |
| | 008 | G02 | 18 | 13. | 29. | 42. | 59. | 113. | 153. | 213. | 213. | 213. | | | | |
| 052 Polk Co | 001 | F02 | 43 | 26. | 47. | 59. | 72. | 93. | 128. | 211. | 251. | 251. | | | | |
| | 002 | F02 | 48 | 3. | 24. | 38. | 50. | 65. | 96. | 102. | 138. | 138. | | | | |
| 052 St Petersburg | 002 | A01 | 25 | 24. | 27. | 35. | 43. | 52. | 63. | 68. | 68. | 68. | 45. | 13.82 | 42.90 | 1.37 |
| | 002 | F01 | 22 | 29. | 38. | 44. | 50. | 55. | 69. | 74. | 78. | 78. | | | | |
| 052 Tampa | 001 | F01 | 21 | 40. | 57. | 68. | 72. | 78. | 111. | 115. | 156. | 156. | | | | |
| | 002 | A01 | 24 | 27. | 48. | 65. | 71. | 87. | 96. | 200. | 252. | 252. | | | | |
| 052 Winter Haven | 001 | F01 | 24 | 23. | 29. | 35. | 50. | 60. | 74. | 76. | 159. | 159. | 55. | 27.37 | 49.73 | 1.53 |
| **GEORGIA** | | | | | | | | | | | | | | | | |
| 002 Columbus | 001 | A01 | 23 | 27. | 39. | 55. | 61. | 76. | 82. | 94. | 100. | 100. | 62. | 18.87 | 59.07 | 1.39 |
| 056 Atlanta | 001 | A01 | 26 | 37. | 45. | 70. | 75. | 97. | 120. | 131. | 139. | 139. | 83. | 26.35 | 78.85 | 1.39 |
| 058 Savannah | 001 | A01 | 24 | 36. | 40. | 54. | 61. | 73. | 116. | 124. | 266. | 266. | 73. | 46.56 | 65.00 | 1.54 |
| **HAWAII** | | | | | | | | | | | | | | | | |
| 060 Hawaii Co | 001 | A05 | 13 | 1. | 6. | 11. | 16. | 25. | 87. | 213. | 213. | 213. | | | | |
| | 002 | A05 | 13 | 7. | 12. | 35. | 53. | 64. | 67. | 87. | 87. | 87. | | | | |
| 060 Hawaii Volcanoes Nat Park | 001 | A03 | 26 | 5. | 6. | 8. | 11. | 17. | 25. | 40. | 82. | 82. | 16. | 15.59 | 12.42 | 1.89 |
| 060 Honolulu | 001 | A01 | 25 | 23. | 28. | 36. | 39. | 48. | 62. | 67. | 93. | 93. | 44. | 15.20 | 41.39 | 1.37 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

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| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **IDAHO** | | | | | | | | | | | | | | | | |
| 061 American Falls | 001 | F03 | 43 | 22. | 47. | 61. | 80. | 106. | 137. | 152. | 219. | 219. | | | | |
| 061 Bannock Co | 004 | F02 | 50 | 41. | 61. | 85. | 122. | 156. | 224. | 354. | 527. | 527. | 143. | 90.89 | 123.84 | 1.69 |
| 061 Bingham Co | 001 | F03 | 9 | 25. | 25. | 39. | 57. | 70. | 84. | 84. | 84. | 84. | | | | |
| 061 Blackfoot | 001 | F03 | 45 | 21. | 45. | 56. | 71. | 108. | 138. | 182. | 257. | 257. | | | | |
| 061 Butte Co | 001 | A03 | 23 | 1. | 6. | 8. | 14. | 18. | 23. | 24. | 26. | 26. | 14. | 7.01 | 11.01 | 2.20 |
| 061 Caribou Co | 001 | F02 | 13 | 17. | 30. | 38. | 84. | 128. | 137. | 343. | 343. | 343. | | | | |
| | 002 | F02 | 65 | 6. | 10. | 26. | 35. | 50. | 79. | 103. | 130. | 130. | | | | |
| 061 Idaho Falls | 004 | F01 | 51 | 20. | 43. | 63. | 76. | 97. | 115. | 137. | 158. | 158. | | | | |
| 061 Pocatello | 003 | F01 | 22 | 21. | 32. | 43. | 55. | 78. | 89. | 104. | 124. | 124. | | | | |
| | 004 | F01 | 36 | 20. | 32. | 53. | 68. | 88. | 142. | 175. | 207. | 207. | | | | |
| | 005 | F01 | 341 | 8. | 23. | 38. | 54. | 69. | 103. | 115. | 168. | 228. | 58. | 32.65 | 49.90 | 1.78 |
| | 006 | F02 | 35 | 26. | 35. | 57. | 74. | 92. | 122. | 253. | 255. | 255. | | | | |
| 061 Power Co | 005 | F02 | 22 | 11. | 28. | 50. | 74. | 125. | 173. | 211. | 222. | 222. | | | | |
| 062 Coeur DOalene | 001 | F01 | 99 | 17. | 29. | 52. | 69. | 84. | 116. | 140. | 292. | 292. | 74. | 43.05 | 64.64 | 1.71 |
| 062 Kellogg | 004 | F02 | 51 | 27. | 50. | 82. | 99. | 117. | 178. | 216. | 222. | 222. | 106. | 49.17 | 94.66 | 1.65 |
| | 006 | F02 | 34 | 27. | 56. | 82. | 104. | 137. | 191. | 232. | 287. | 287. | 118. | 56.84 | 105.73 | 1.64 |
| 062 Kootenai Co | 002 | F03 | 28 | 12. | 16. | 24. | 31. | 79. | 131. | 158. | 182. | 182. | | | | |
| 062 Lewiston | 001 | F02 | 68 | 31. | 57. | 89. | 106. | 144. | 237. | 256. | 470. | 470. | | | | |
| | 003 | F01 | 32 | 24. | 30. | 48. | 60. | 83. | 115. | 143. | 157. | 157. | | | | |
| | 004 | F01 | 134 | 27. | 49. | 73. | 96. | 121. | 156. | 165. | 198. | 461. | | | | |
| 062 Moscow | 001 | F01 | 44 | 28. | 46. | 81. | 107. | 127. | 190. | 286. | 314. | 314. | | | | |
| 062 Shoshone Co | 004 | F02 | 36 | 25. | 60. | 84. | 118. | 147. | 197. | 202. | 385. | 385. | 126. | 66.02 | 110.10 | 1.72 |
| 063 Twin Falls | 001 | F01 | 212 | 14. | 48. | 74. | 104. | 132. | 187. | 213. | 254. | 351. | 110. | 55.12 | 96.60 | 1.70 |
| 063 Twin Falls Co | 001 | F03 | 55 | 8. | 22. | 35. | 50. | 74. | 103. | 140. | 159. | 159. | | | | |
| 064 Boise City | 001 | A01 | 22 | 36. | 57. | 66. | 79. | 88. | 108. | 115. | 115. | 115. | 79. | 21.18 | 76.05 | 1.34 |
| | 002 | F01 | 69 | 26. | 49. | 78. | 99. | 112. | 146. | 161. | 341. | 341. | 100. | 47.79 | 90.95 | 1.58 |
| | 005 | F01 | 233 | 9. | 31. | 49. | 62. | 86. | 110. | 126. | 169. | 198. | 69. | 32.86 | 60.52 | 1.70 |
| | 006 | F01 | 40 | 21. | 58. | 82. | 91. | 106. | 157. | 193. | 199. | 199. | | | | |
| 064 Caldwell | 001 | F01 | 94 | 14. | 44. | 77. | 109. | 147. | 210. | 235. | 552. | 552. | 121. | 75.16 | 100.88 | 1.88 |
| 064 Nampa | 001 | F01 | 99 | 12. | 50. | 77. | 98. | 116. | 164. | 223. | 440. | 440. | 106. | 61.39 | 92.31 | 1.73 |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 065 Peoria | 001 | A01 | 26 | 15. | 62. | 69. | 80. | 112. | 185. | 208. | 304. | 304. | 101. | 58.23 | 87.72 | 1.73 |
| 067 Chicago | 001 | A01 | 25 | 45. | 65. | 93. | 123. | 149. | 199. | 230. | 245. | 245. | 126. | 53.17 | 115.00 | 1.57 |
| | 002 | A01 | 1 | 114. | 114. | 114. | 114. | 114. | 114. | 114. | 114. | 114. | | | | |
| | 002 | A10 | 137 | 77. | 120. | 141. | 171. | 200. | 264. | 345. | 421. | 448. | 184. | 70.46 | 173.41 | 1.41 |
| | 003 | H01 | 134 | 8. | 38. | 58. | 77. | 102. | 143. | 167. | 228. | 229. | 85. | 42.76 | 74.76 | 1.69 |
| | 004 | H01 | 145 | 21. | 48. | 74. | 97. | 128. | 162. | 176. | 222. | 338. | 103. | 47.42 | 92.82 | 1.62 |
| | 005 | H01 | 142 | 41. | 65. | 98. | 123. | 149. | 190. | 208. | 226. | 253. | 125. | 46.11 | 116.34 | 1.49 |
| | 006 | H01 | 133 | 31. | 58. | 78. | 96. | 125. | 169. | 193. | 273. | 276. | 107. | 47.63 | 98.03 | 1.54 |
| | 007 | H01 | 140 | 20. | 47. | 66. | 84. | 102. | 140. | 185. | 238. | 247. | 92. | 41.70 | 83.18 | 1.56 |
| | 008 | H01 | 104 | 32. | 49. | 85. | 110. | 137. | 173. | 194. | 227. | 244. | | | | |
| | 009 | H01 | 136 | 15. | 48. | 67. | 91. | 115. | 150. | 175. | 249. | 267. | 97. | 44.31 | 87.21 | 1.61 |
| | 010 | H01 | 139 | 32. | 53. | 72. | 92. | 120. | 161. | 180. | 239. | 293. | 102. | 45.76 | 92.80 | 1.54 |
| | 011 | H01 | 132 | 12. | 39. | 57. | 74. | 91. | 135. | 152. | 183. | 186. | 80. | 36.48 | 71.75 | 1.62 |
| | 012 | H01 | 136 | 40. | 71. | 103. | 131. | 170. | 232. | 273. | 362. | 409. | 145. | 66.44 | 131.52 | 1.57 |
| | 013 | H01 | 131 | 1. | 51. | 96 | 120. | 152. | 206. | 224. | 311. | 321. | 125. | 65.06 | 91.20 | 3.35 |
| | 014 | H01 | 140 | 35. | 61. | 89. | 116. | 142. | 187. | 194. | 219. | 247. | 119. | 45.93 | 109.28 | 1.53 |
| | 015 | H01 | 130 | 23. | 54. | 80. | 97. | 120. | 152. | 172. | 248. | 340. | 105. | 45.29 | 96.33 | 1.51 |
| | 016 | H01 | 135 | 17. | 56. | 76. | 94. | 110. | 138. | 174. | 238. | 295. | 99. | 40.29 | 91.51 | 1.49 |
| | 017 | H01 | 140 | 27. | 49. | 77. | 106. | 126. | 179. | 215. | 268. | 280. | 111. | 52.87 | 98.79 | 1.64 |
| | 018 | H01 | 133 | 30. | 63. | 82. | 106. | 132. | 189. | 228. | 358. | 498. | 119. | 65.43 | 105.71 | 1.61 |
| | 019 | H01 | 136 | 8. | 48. | 72. | 92. | 123. | 181. | 208. | 329. | 397. | 107. | 60.01 | 91.41 | 1.83 |
| | 020 | H01 | 114 | 19. | 50. | 68. | 86. | 114. | 142. | 158. | 174. | 196 | 91. | 35.57 | 84.07 | 1.52 |
| | 021 | H01 | 140 | 25. | 56. | 80. | 99. | 128. | 170. | 180. | 241. | 266. | 109. | 44.12 | 100.13 | 1.51 |
| | 022 | H01 | 141 | 52. | 85. | 129. | 174. | 214. | 302 | 330. | 409. | 470. | 185. | 83.65 | 165.70 | 1.62 |
| | 025 | H01 | 75 | 19. | 39. | 78. | 94. | 119. | 167. | 181. | 241. | 241. | | | | |
| | 028 | H01 | 81 | 36. | 55. | 85. | 109. | 128. | 165. | 197. | 267. | 267. | | | | |
| | 029 | H01 | 80 | 7. | 37. | 59. | 82. | 110. | 148. | 172. | 209. | 209. | | | | |
| | 030 | H01 | 73 | 12. | 51. | 74. | 107. | 133. | 182. | 217. | 352. | 352. | | | | |
| | 031 | H01 | 80 | 38. | 80. | 107. | 130. | 169. | 207. | 251. | 360. | 360. | | | | |
| | 032 | H01 | 73 | 18 | 44. | 76. | 98. | 124. | 171. | 190. | 256. | 256. | | | | |
| 067 Cook Co | 002 | H01 | 20 | 59. | 69. | 87. | 114. | 137. | 206. | 214. | 353. | 353. | | | | |
| | 015 | H01 | 22 | 47. | 69. | 97. | 109. | 133. | 177. | 205. | 225. | 225. | | | | |
| 067 Joliet | 001 | A01 | 22 | 42. | 58. | 76. | 85. | 104. | 132. | 159. | 162. | 162. | | | | |
| 067 North Chicago | 002 | A01 | 24 | 31. | 46. | 59. | 62. | 81. | 104. | 152. | 158. | 158. | 74. | 31.67 | 68.46 | 1.48 |
| 069 Rock Island | 001 | A01 | 26 | 43. | 60. | 73. | 81. | 118. | 163. | 172. | 181. | 181. | 98. | 38.88 | 91.34 | 1.47 |

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## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ILLINOIS — Cont.** | | | | | | | | | | | | | | | | |
| 070 East St Louis | 001 | A01 | 17 | 18. | 43. | 77. | 90. | 117. | 156. | 178. | 178. | 178. | | | | |
| | 004 | A01 | 4 | 96. | 96. | 106. | 106. | 123. | 131. | 131. | 131. | 131. | | | | |
| 073 Rockford | 001 | A01 | 16 | 45. | 53. | 57. | 75. | 96. | 108. | 135. | 135. | 135. | | | | |
| 075 Springfield | 001 | A01 | 26 | 46. | 55. | 65. | 80. | 100. | 120. | 128. | 134. | 134. | 86. | 24.33 | 82.53 | 1.33 |
| **INDIANA** | | | | | | | | | | | | | | | | |
| 067 Chesterton | 001 | G01 | 14 | 21. | 30. | 38. | 56. | 64. | 77. | 77. | 77. | 77. | | | | |
| 067 East Chicago | 001 | A01 | 26 | 66. | 86. | 126. | 155. | 182. | 229. | 249. | 280. | 280. | 158. | 51.01 | 149.97 | 1.41 |
| | 001 | H02 | 50 | 2. | 69. | 115. | 146. | 178. | 220. | 236. | 289. | 289. | 148. | 57.46 | 129.68 | 2.05 |
| | 003 | H02 | 47 | 2. | 44. | 108. | 149. | 175. | 234. | 255. | 470. | 470. | 145. | 82.73 | 110.18 | 2.65 |
| | 004 | H02 | 50 | 49. | 75. | 92. | 124. | 146. | 201. | 237. | 314. | 314. | 130. | 54.86 | 120.54 | 1.49 |
| | 006 | H02 | 50 | 39. | 64. | 78. | 98. | 112. | 137. | 162. | 229. | 229. | 102. | 37.03 | 95.80 | 1.41 |
| | 007 | H02 | 47 | 1. | 49. | 62. | 76. | 92. | 143. | 154. | 167. | 167. | 81. | 37.43 | 63.48 | 2.87 |
| 067 Gary | 001 | A01 | 19 | 49. | 4 | 98. | 114. | 144. | 211. | 387. | 387. | 387. | | | | |
| | 002 | H01 | 39 | 18. | 50. | 79. | 88. | 102. | 143. | 167. | 175. | 175. | 92. | 32.92 | 85.00 | 1.53 |
| | 003 | H01 | 46 | 41. | 57. | 89. | 105. | 131. | 171. | 217. | 246. | 246. | 113. | 46.83 | 103.75 | 1.51 |
| | 004 | H01 | 33 | 56. | 65. | 94. | 132. | 187. | 228. | 267. | 268. | 268. | | | | |
| | 005 | H01 | 32 | 28. | 35. | 49. | 63. | 95. | 126. | 133. | 222. | 222. | | | | |
| | 008 | H01 | 42 | 30. | 40. | 58. | 76. | 107. | 167. | 174. | 203. | 203. | 90. | 46.60 | 78.79 | 1.68 |
| | 009 | H01 | 28 | 52. | 54. | 68. | 98. | 124. | 153. | 160. | 276. | 276. | | | | |
| 067 Hammond | 001 | A01 | 50 | 45. | 56. | 77. | 101. | 133. | 179. | 256. | 264. | 264. | 115. | 56.34 | 103.20 | 1.59 |
| | 001 | F01 | 52 | 41. | 65. | 87. | 107. | 130. | 173. | 212. | 245. | 245. | 115. | 48.06 | 104.96 | 1.53 |
| | 002 | A01 | 52 | 41 | 65. | 87. | 107. | 130. | 173. | 212. | 245. | 245. | 114. | 48.09 | 104.85 | 1.54 |
| | 002 | H01 | 52 | 13. | 65. | 87. | 107. | 130. | 173. | 212. | 245. | 245. | 114. | 49.12 | 102.60 | 1.65 |
| | 003 | F01 | 41 | 40. | 55. | 72. | 96. | 128. | 192. | 251. | 447. | 447. | 118. | 76.09 | 101.56 | 1.70 |
| | 004 | H01 | 41 | 40. | 55. | 72. | 96. | 128. | 192. | 251. | 447. | 447. | 118. | 76.06 | 101.64 | 1.70 |
| 067 Porter Co | 005 | G01 | 15 | 12. | 13. | 22. | 28. | 46. | 55. | 63. | 63. | 63. | | | | |
| | 006 | G01 | 3 | 20. | 20. | 20. | 36. | 54. | 54. | 54. | 54. | 54. | | | | |
| | 008 | G01 | 16 | 25. | 27. | 34. | 42. | 53. | 62. | 105. | 105. | 105. | | | | |
| | 009 | G01 | 13 | 30. | 38. | 49. | 52. | 61. | 80. | 99. | 99. | 99. | | | | |
| | 010 | G01 | 17 | 29. | 32. | 65. | 72. | 73. | 110. | 135. | 135. | 135. | | | | |
| 067 Valparaiso | 002 | G01 | 15 | 25. | 27. | 44. | 45. | 55. | 134. | 210. | 210. | 210. | | | | |
| 076 Anderson | 001 | F01 | 18 | 17. | 21. | 40. | 68. | 82. | 108. | 178. | 178. | 178. | | | | |
| 076 Marion | 001 | F01 | 14 | 22. | 33. | 57. | 58. | 69. | 88. | 97. | 97. | 97. | | | | |
| 076 Muncie | 001 | A01 | 15 | 35. | 66. | 73. | 77. | 82. | 140. | 204. | 204. | 204. | | | | |
| 076 Richmond | 001 | F01 | 28 | 51. | 51. | 63. | 89. | 113. | 158. | 192. | 311. | 311. | 101. | 55.74 | 90.77 | 1.59 |
| 077 Dubois Co | 001 | G01 | 2 | 83. | 83. | 83. | 83. | 89. | 89. | 89. | 89. | 89. | | | | |
| | 002 | G03 | 2 | 32. | 32. | 32. | 32. | 53. | 53. | 53. | 53. | 53. | | | | |
| 077 Evansville | 001 | A01 | 26 | 32. | 40. | 51. | 68. | 91. | 120. | 126. | 165. | 165. | 76. | 31.95 | 69.70 | 1.52 |
| | 001 | F01 | 23 | 25. | 42. | 58. | 72. | 85. | 112. | 118. | 140. | 140. | 75. | 27.74 | 69.50 | 1.49 |
| | 003 | H01 | 62 | 39. | 55. | 83. | 105. | 144. | 193. | 253. | 253. | 253. | 120. | 57.87 | 107.56 | 1.61 |
| | 004 | H01 | 59 | 14. | 27. | 53. | 66. | 84. | 117. | 172. | 314. | 314. | 77. | 54.58 | 64.27 | 1.79 |
| | 006 | H01 | 88 | 25. | 35. | 52. | 65. | 73. | 103. | 118. | 142. | 142. | 67. | 26.06 | 62.52 | 1.47 |
| 077 Huntingburg | 001 | F01 | 2 | 42. | 42. | 42. | 42. | 77. | 77. | 77. | 77. | 77. | | | | |
| 077 Jasper | 001 | F01 | 25 | 53. | 57. | 74. | 83. | 101. | 113. | 116. | 118. | 118. | 84. | 20.34 | 81.67 | 1.28 |
| 077 Washington | 001 | F01 | 20 | 40. | 51. | 64. | 82. | 93. | 114. | 122. | 125. | 125. | | | | |
| 078 New Albany | 002 | A01 | 14 | 45. | 62. | 75. | 77. | 88. | 102. | 119. | 119. | 119. | | | | |
| 079 Lawrenceburg | 001 | F01 | 21 | 39. | 55. | 72. | 87. | 100. | 124. | 127. | 228. | 228. | | | | |
| 080 Indianapolis | 001 | A01 | 25 | 10. | 53. | 76. | 92. | 109. | 141. | 147. | 169. | 169. | 95. | 35.26 | 85.53 | 1.74 |
| | 001 | H01 | 82 | 40. | 80. | 97. | 120. | 139. | 173. | 206 | 270. | 270. | 124. | 41.01 | 117.12 | 1.39 |
| | 002 | H01 | 240 | 37. | 59. | 78. | 95. | 120. | 157. | 177. | 217. | 224. | 103. | 39.14 | 96.39 | 1.46 |
| | 004 | H01 | 244 | 16. | 28. | 41. | 56. | 72. | 98. | 111. | 159. | 183. | 61 | 28.84 | 54.58 | 1.62 |
| | 005 | H01 | 81 | 23. | 36. | 50. | 68. | 81. | 104. | 116. | 130. | 130. | 68. | 26.30 | 62.75 | 1.52 |
| | 006 | H01 | 241 | 27. | 49. | 69. | 82. | 100. | 125. | 145. | 202. | 228. | 86. | 32.46 | 80.58 | 1.46 |
| | 007 | H01 | 97 | 27. | 43. | 55. | 71. | 85. | 111. | 125. | 250. | 250. | 75. | 33.14 | 69.49 | 1.48 |
| | 008 | H01 | 87 | 30. | 56. | 70. | 84. | 102. | 126. | 151. | 176. | 176. | 88. | 30.14 | 82.47 | 1.42 |
| | 009 | H01 | 89 | 30. | 56. | 79. | 96. | 115. | 151. | 163. | 192. | 192. | 100. | 36.23 | 93.36 | 1.48 |
| | 010 | H01 | 241 | 39. | 63. | 92. | 113. | 149. | 200. | 223. | 273. | 314. | 124 | 52.75 | 113.67 | 1.54 |
| | 011 | H01 | 84 | 42. | 66. | 84. | 103 | 125. | 153. | 167. | 300. | 300. | 1.8 | 37.80 | 102.77 | 1.39 |
| | 012 | H01 | 75 | 31. | 42. | 59. | 72. | 83. | 116. | 126. | 205. | 205. | 75. | 29.39 | 69.90 | 1.45 |
| | 013 | H01 | 86 | 25. | 37. | 58. | 72. | 88. | 118. | 125. | 212. | 212. | 76. | 33.13 | 69.63 | 1.54 |
| | 014 | H01 | 84 | 21. | 52. | 70. | 87. | 101. | 133. | 155. | 256. | 256. | 90. | 37.62 | 83.41 | 1.50 |
| | 015 | H01 | 81 | 33. | 44. | 68. | 81. | 108. | 154. | 196. | 308. | 308. | 94. | 48.36 | 83.99 | 1.61 |
| | 018 | H01 | 83 | 21. | 36. | 52. | 63. | 82. | 111. | 135. | 167. | 167. | 70. | 30.54 | 64.10 | 1.53 |
| | 019 | H01 | 75 | 23. | 35. | 48. | 57. | 65. | 88. | 96. | 152. | 152. | 60. | 21.85 | 56.50 | 1.42 |
| | 021 | F01 | 33 | 30. | 49. | 61. | 81. | 100. | 126. | 155. | 189. | 189. | 85. | 36.03 | 77.91 | 1.52 |
| | 022 | H01 | 76 | 31. | 42. | 59. | 72. | 84. | 118 | 126. | 212. | 212. | 76. | 30.48 | 70.76 | 1.47 |
| | 025 | F01 | 241 | 39. | 63. | 91. | 112. | 149. | 200 | 223. | 273. | 314. | 124. | 52.67 | 113.30 | 1.54 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **INDIANA — Cont.** | | | | | | | | | | | | | | | | |
| 081 Fort Wayne | 001 | A01 | 5 | 53. | 53. | 59. | 60. | 80. | 91. | 91. | 91. | 91. | | | | |
| | 002 | A01 | 19 | 42. | 55. | 66. | 80. | 95. | 132. | 133. | 133. | 133. | | | | |
| 082 Elkhart | 001 | F01 | 24 | 1. | 28. | 48. | 51. | 85. | 106. | 106. | 108. | 108. | 64. | 30.78 | 49.50 | 2.95 |
| 082 La Porte | 001 | F01 | 22 | 22. | 31. | 43. | 45. | 50. | 78. | 105. | 111. | 111. | 51. | 22.49 | 46.63 | 1.49 |
| 082 Mishawaka | 001 | G01 | 16 | 38. | 42. | 44. | 62. | 74. | 109. | 119. | 119. | 119. | | | | |
| | 002 | G02 | 7 | 25. | 25. | 47. | 47. | 52. | 98. | 98. | 98. | 98. | | | | |
| | 003 | G01 | 15 | 27. | 29. | 52. | 59. | 74. | 85. | 93. | 93. | 93. | | | | |
| | 004 | G01 | 16 | 41. | 48. | 56. | 65. | 87. | 102. | 107. | 107. | 107. | | | | |
| | 005 | F01 | 24 | 9. | 19. | 41. | 49. | 62. | 84. | 93. | 101. | 101. | 53. | 24.69 | 46.47 | 1.80 |
| 082 St Joseph Co | 003 | G03 | 15 | 19. | 44. | 52. | 54. | 63. | 89. | 99. | 99. | 99. | | | | |
| | 004 | G03 | 8 | 17. | 17. | 35. | 37. | 56. | 84. | 84. | 84. | 84. | | | | |
| | 005 | G03 | 19 | 6. | 21. | 37. | 44. | 51. | 73. | 84. | 84. | 84. | | | | |
| 082 South Bend | 002 | A01 | 24 | 49. | 60. | 85. | 100. | 115. | 131. | 134. | 169. | 169. | | | | |
| | 003 | G01 | 15 | 27. | 29. | 47. | 51. | 60. | 67. | 104. | 104. | 104. | | | | |
| | 004 | G02 | 13 | 20. | 25. | 43. | 62. | 72. | 92. | 144. | 144. | 144. | | | | |
| | 005 | G02 | 12 | 33. | 41. | 62. | 65. | 79. | 94. | 102. | 102. | 102. | | | | |
| | 006 | G02 | 15 | 41. | 55. | 87. | 110. | 118. | 155. | 167. | 167. | 167. | | | | |
| | 007 | G02 | 19 | 44. | 45. | 77. | 88. | 106. | 146. | 158. | 158. | 158. | | | | |
| 083 Bloomington | 001 | F01 | 19 | 41. | 42. | 63. | 71. | 90. | 113. | 119. | 119. | 119. | | | | |
| 083 Columbus | 001 | F01 | 24 | 22. | 40. | 81. | 109. | 194. | 272. | 280. | 368. | 368. | 146. | 92.11 | 115.69 | 2.10 |
| 083 Monroe Co | 001 | A03 | 23 | 16. | 28. | 32. | 41. | 51. | 60. | 62. | 65. | 65. | 42. | 13.29 | 39.59 | 1.42 |
| 084 Kokomo | 001 | F01 | 21 | 28. | 38. | 40. | 50. | 66. | 83. | 83. | 117. | 117. | 56. | 21.44 | 52.61 | 1.43 |
| 084 Lafayette | 001 | F01 | 26 | 28. | 42. | 52. | 58. | 92. | 120. | 123. | 127. | 127. | 70. | 28.79 | 64.38 | 1.49 |
| 084 Parke Co | 001 | A03 | 25 | 28. | 32. | 44. | 58. | 70. | 103. | 121. | 139. | 139. | 64. | 29.18 | 58.55 | 1.55 |
| 084 Terre Haute | 001 | A01 | 17 | 23. | 37. | 55. | 78. | 102. | 153. | 202. | 202. | 202. | | | | |
| | 004 | G01 | 42 | 39. | 52. | 65. | 90. | 123. | 162. | 189. | 218. | 218. | | | | |
| | 009 | G01 | 145 | 25. | 53. | 71. | 86. | 105. | 137. | 165. | 188. | 199. | | | | |
| | 010 | G01 | 50 | 29. | 39. | 57. | 82. | 90. | 135. | 180. | 191. | 191. | | | | |
| | 011 | G01 | 48 | 31. | 45. | 68. | 79. | 102. | 162. | 168. | 175. | 175. | | | | |
| | 012 | G01 | 36 | 28. | 44. | 57. | 74. | 111. | 138. | 186. | 282. | 282. | | | | |
| | 013 | G01 | 45 | 26. | 42. | 55. | 75. | 92. | 123. | 134. | 180. | 180. | | | | |
| 084 Vigo Co | 001 | G01 | 46 | 35. | 48. | 63. | 79. | 99. | 120. | 130. | 159. | 159. | | | | |
| | 002 | G01 | 47 | 20. | 33. | 51. | 67. | 97. | 152. | 177. | 252. | 252. | | | | |
| | 004 | G01 | 41 | 29. | 39. | 61. | 80. | 96. | 117. | 129. | 166. | 166. | | | | |
| 084 Vincennes | 001 | F01 | 23 | 17. | 41. | 53. | 57. | 62. | 88. | 101. | 121. | 121. | | | | |
| 084 West Terre Haute | 001 | G01 | 46 | 32. | 53. | 78. | 100. | 142. | 183. | 197. | 218. | 218. | | | | |
| **IOWA** | | | | | | | | | | | | | | | | |
| 065 Keokuk | 001 | F01 | 4 | 49. | 49. | 52. | 52. | 64. | 74. | 74. | 74. | 74. | | | | |
| | 002 | F01 | 17 | 34. | 37. | 54. | 77. | 89. | 559. | 840. | 840. | 840. | | | | |
| 068 Dubuque | 001 | A01 | 3 | 59. | 59. | 59. | 86. | 203. | 203. | 203. | 203. | 203. | | | | |
| | 002 | A01 | 3 | 28. | 28. | 28. | 111. | 139. | 139. | 139. | 139. | 139. | | | | |
| 069 Clinton | 011 | F01 | 33 | 6. | 24. | 40. | 47. | 69. | 80. | 89. | 114. | 114. | 53. | 23.18 | 47.33 | 1.73 |
| 069 Davenport | 001 | A01 | 23 | 35. | 71. | 123. | 154. | 251. | 331. | 865. | 1128. | 1128. | | | | |
| | 009 | F01 | 32 | 39. | 54. | 73. | 99. | 135. | 191. | 270. | 350. | 350. | 117. | 69.33 | 101.41 | 1.69 |
| 085 Council Bluffs | 001 | F01 | 7 | 77. | 77. | 91. | 107. | 109. | 148. | 148. | 148. | 148. | | | | |
| | 016 | F01 | 18 | 42. | 55. | 93. | 101. | 108. | 136. | 205. | 205. | 205. | | | | |
| 086 Sioux City | 001 | F01 | 31 | 28. | 44. | 63. | 75. | 86. | 125. | 139. | 168. | 168. | | | | |
| 088 Cedar Rapids | 001 | A01 | 22 | 52. | 73. | 86. | 96. | 122. | 143. | 144. | 154. | 154. | | | | |
| 088 Jones Co | 006 | F01 | 8 | 48. | 48. | 89. | 113. | 128. | 171. | 171. | 171. | 171. | | | | |
| 088 Waterloo | 001 | F01 | 16 | 62. | 78. | 86. | 95. | 114. | 165. | 180. | 180. | 180. | | | | |
| | 003 | F01 | 33 | 34. | 38. | 62. | 88. | 117. | 173. | 221. | 238. | 238. | 98. | 50.72 | 86.18 | 1.67 |
| 089 Mason City | 011 | F01 | 36 | 34. | 44. | 80. | 115. | 166. | 256. | 479. | 705. | 705. | 152. | 128.72 | 118.73 | 2.01 |
| 091 Iowa City | 008 | F01 | 9 | 28. | 28. | 29. | 61. | 73. | 154. | 154. | 154. | 154. | | | | |
| 092 Des Moines | 001 | A01 | 26 | 8. | 48. | 74. | 92. | 121. | 142. | 147. | 255. | 255. | 98. | 46.39 | 85.94 | 1.85 |
| | 001 | G01 | 43 | 1. | 1. | 1. | 79. | 124. | 196. | 226. | 266. | 266. | 82. | 80.46 | 14.00 | 15.61 |
| | 003 | G01 | 43 | 1. | 1. | 1. | 59. | 99. | 143. | 220. | 645. | 645. | 74. | 111.05 | 10.05 | 15.37 |
| | 025 | G01 | 43 | 1. | 1. | 1. | 83. | 154. | 258. | 317. | 382. | 382. | 101. | 108.78 | 15.28 | 17.01 |
| 092 Polk Co | 019 | G01 | 43 | 1. | 1. | 57. | 101. | 147. | 213. | 228. | 696. | 696. | 117. | 119.16 | 50.81 | 7.25 |
| 092 West De Moines | 003 | G01 | 43 | 1. | 1. | 1. | 47. | 90. | 161. | 208. | 377. | 377. | 64. | 81.85 | 9.37 | 14.55 |
| **KANSAS** | | | | | | | | | | | | | | | | |
| 094 Johnson Co | 003 | F01 | 35 | 32. | 38. | 49. | 58. | 68. | 92. | 96. | 106. | 106. | | | | |
| 094 Kansas City | 002 | A01 | 26 | 74. | 94. | 104. | 136. | 166. | 193. | 198. | 219. | 219. | 139. | 38.76 | 133.26 | 1.34 |
| | 002 | H01 | 51 | 50. | 67. | 99. | 124. | 156. | 184. | 227. | 251. | 251. | 128. | 48.16 | 118.89 | 1.48 |
| | 004 | H01 | 49 | 19. | 51. | 74. | 85. | 99. | 135. | 139. | 184. | 184. | 88. | 30.62 | 82.23 | 1.46 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **KANSAS — Cont.** | | | | | | | | | | | | | | | | |
| | 007 | H01 | 48 | 36. | 45. | 51. | 64. | 77. | 108. | 111. | 116. | 116. | 68. | 22.40 | 65.00 | 1.37 |
| | 008 | H01 | 46 | 62. | 103. | 149. | 183. | 253. | 310. | 328. | 465. | 465. | 205. | 89.94 | 185.50 | 1.58 |
| | 009 | H01 | 52 | 44. | 56. | 71. | 92. | 113. | 144. | 151. | 186. | 186. | 97. | 34.01 | 91.47 | 1.43 |
| 094 Leavenworth | 001 | F01 | 33 | 12. | 34. | 52. | 72. | 82. | 99. | 118. | 198. | 198. | | | | |
| 094 Leavenworth Co | 001 | F01 | 37 | 32. | 58. | 84. | 111. | 124. | 154. | 185. | 196. | 196. | | | | |
| 094 Olathe | 001 | F01 | 37 | 34. | 59. | 78. | 100. | 117. | 144. | 186. | 196. | 196. | | | | |
| 094 Overland Park | 001 | F01 | 38 | 21. | 31. | 48. | 59. | 72. | 98. | 102. | 139. | 139. | | | | |
| 094 Wyandotte Co | 008 | H01 | 48 | 12. | 24. | 32. | 39. | 56. | 80. | 84. | 190. | 190. | 48. | 28.80 | 41.93 | 1.65 |
| 095 Atchison | 001 | F01 | 31 | 38. | 61. | 101. | 140. | 156. | 195. | 217. | 235. | 235. | | | | |
| 095 Lawrence | 001 | F01 | 42 | 26. | 44. | 63. | 80. | 95. | 113. | 135. | 217. | 217. | 83. | 36.28 | 76.82 | 1.51 |
| | 002 | F01 | 41 | 5. | 34. | 42. | 57. | 80. | 93. | 115. | 145. | 145. | 63. | 29.97 | 55.17 | 1.77 |
| 095 Topeka | 001 | A01 | 42 | 31. | 52. | 71. | 94. | 126. | 238. | 275. | 347. | 347. | 122. | 77.63 | 101.66 | 1.82 |
| | 002 | F01 | 45 | 20. | 30. | 47. | 69. | 115. | 159. | 234. | 267. | 267. | 88. | 60.21 | 71.28 | 1.95 |
| | 004 | F01 | 47 | 16. | 44. | 78. | 117. | 181. | 305. | 334. | 401. | 401. | 150. | 101.94 | 115.68 | 2.17 |
| 096 Junction City | 001 | F01 | 50 | 10. | 40. | 85. | 104. | 150. | 189. | 221. | 490. | 490. | 125. | 77.52 | 104.17 | 1.90 |
| 096 Mc Pherson | 001 | F01 | 51 | 15. | 32. | 68. | 81. | 98. | 121. | 129. | 182. | 182. | 82. | 34.32 | 73.99 | 1.64 |
| 096 Manhattan | 001 | F01 | 28 | 42. | 44. | 71. | 94. | 115. | 164. | 454. | 523. | 523. | | | | |
| 096 Salina | 001 | F01 | 51 | 11. | 23. | 30. | 47. | 64. | 89. | 104. | 158. | 158. | 52. | 29.96 | 44.36 | 1.78 |
| 097 Goodland | 001 | F01 | 50 | 23. | 53. | 83. | 112. | 127. | 163. | 187. | 194. | 194. | 110. | 43.86 | 99.89 | 1.62 |
| 097 Great Bend | 001 | F01 | 48 | 11. | 25. | 34. | 45. | 61. | 80. | 84. | 90. | 90. | 49. | 20.77 | 44.11 | 1.61 |
| 097 Hays | 001 | F01 | 46 | 18. | 35. | 59. | 72. | 90. | 116. | 173. | 219. | 219. | 79. | 39.00 | 70.21 | 1.65 |
| 097 Phillipsburg | 001 | F01 | 12 | 8. | 29. | 50. | 59. | 78. | 111. | 114. | 114. | 114. | | | | |
| 098 Chanute | 001 | F01 | 9 | 11. | 11. | 24. | 50. | 67. | 102. | 102. | 102. | 102. | | | | |
| 098 Coffeyville | 001 | F01 | 51 | 23. | 36. | 54. | 68. | 84. | 106. | 117. | 232. | 232. | 74. | 36.68 | 66.54 | 1.57 |
| 098 Emporia | 001 | F01 | 5 | 31. | 31. | 36. | 41. | 62. | 64. | 64. | 64. | 64. | | | | |
| 098 Pittsburg | 001 | F01 | 46 | 17. | 26. | 36. | 45. | 53. | 64. | 79. | 89. | 89. | 46. | 16.65 | 43.10 | 1.46 |
| 099 Arkansas City | 001 | F01 | 34 | 1. | 39. | 51. | 61. | 72. | 109. | 111. | 115. | 115. | 65. | 26.92 | 53.90 | 2.51 |
| 099 El Dorado | 001 | F01 | 36 | 19. | 26. | 34. | 47. | 66. | 105. | 118. | 125. | 125. | 56. | 29.80 | 49.63 | 1.66 |
| 099 Hutchinson | 001 | F01 | 39 | 22. | 34. | 58. | 79. | 116. | 148. | 239. | 252. | 252. | 91. | 52.29 | 77.41 | 1.79 |
| 099 Newton | 001 | F01 | 45 | 13. | 34. | 49. | 68. | 88. | 124. | 145. | 190. | 190. | 73. | 38.74 | 63.59 | 1.74 |
| 099 Wichita | 001 | A01 | 25 | 31. | 47. | 61. | 77. | 94. | 124. | 128. | 147. | 147. | 81. | 28.51 | 76.22 | 1.44 |
| | 004 | F01 | 43 | 25. | 58. | 86. | 104. | 141. | 205. | 219. | 274. | 274. | 120. | 53.98 | 108.09 | 1.62 |
| | 005 | F01 | 41 | 38. | 56. | 106. | 184. | 222. | 296. | 343. | 508. | 508. | 181. | 105.51 | 150.46 | 1.92 |
| 100 Dodge City | 001 | F01 | 37 | 12. | 23. | 40. | 51. | 85. | 138. | 143. | 198. | 198. | 68. | 44.16 | 55.43 | 1.95 |
| 100 Garden City | 001 | F01 | 47 | 29. | 47. | 71. | 90. | 104. | 147. | 168. | 184. | 184. | 91. | 36.21 | 83.94 | 1.53 |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Hopkinsville | 002 | F01 | 25 | 35. | 53. | 68. | 77. | 100. | 145. | 153. | 171. | 171. | | | | |
| 072 Livingston Co | 001 | F01 | 49 | 22. | 33. | 54. | 82. | 110. | 169. | 210. | 317. | 317. | 92. | 58.17 | 77.35 | 1.81 |
| 072 Mc Cracken Co | 001 | F02 | 61 | 17. | 27. | 40. | 54. | 71. | 98. | 130. | 195. | 195. | 62. | 36.00 | 53.73 | 1.73 |
| 072 Madisonville | 001 | F01 | 44 | 30. | 45. | 55. | 72. | 87. | 119. | 155. | 199. | 199. | 77. | 36.79 | 70.36 | 1.54 |
| 072 Marshall Co | 002 | F01 | 5 | 18. | 18. | 21. | 33. | 46. | 54. | 54. | 54. | 54. | | | | |
| | 008 | F01 | 3 | 21. | 21. | 21. | 48. | 203. | 203. | 203. | 203. | 203. | | | | |
| | 009 | F01 | 60 | 20. | 30. | 47. | 64. | 87. | 114. | 159. | 206. | 206. | 73. | 39.99 | 63.64 | 1.69 |
| 072 Paducah | 001 | F01 | 46 | 24. | 44. | 60. | 73. | 85. | 117. | 126. | 349. | 349. | | | | |
| | 019 | F01 | 60 | 16. | 52. | 89. | 107. | 124. | 177. | 185. | 271. | 271. | 110. | 45.76 | 99.57 | 1.62 |
| 077 Henderson | 002 | F01 | 50 | 40. | 57. | 68. | 85. | 96. | 125. | 140. | 228. | 228. | 89. | 32.48 | 83.84 | 1.39 |
| | 003 | F01 | 5 | 30. | 30. | 36. | 59. | 73. | 79. | 79. | 79. | 79. | | | | |
| | 004 | F01 | 12 | 29. | 32. | 40. | 56. | 87. | 134. | 166. | 166. | 166. | | | | |
| | 005 | F01 | 7 | 40. | 40. | 48. | 68. | 69. | 132. | 132. | 132. | 132. | | | | |
| | 006 | F01 | 10 | 19. | 19. | 33. | 49. | 57. | 60. | 84. | 84. | 84. | | | | |
| 077 Owensboro | 001 | F01 | 61 | 59. | 72. | 93. | 112. | 143. | 206. | 239. | 291. | 291. | 128. | 56.06 | 117.84 | 1.50 |
| | 002 | F01 | 45 | 10. | 47. | 81. | 110. | 135. | 163. | 181. | 223. | 223. | 107. | 46.54 | 93.19 | 1.86 |
| | 003 | F01 | 57 | 5. | 33. | 51. | 66. | 85. | 142. | 163. | 357. | 357. | 79. | 54.72 | 63.93 | 2.06 |
| | 004 | F01 | 61 | 50. | 67. | 91. | 118. | 142. | 186. | 211. | 302. | 302. | 125. | 50.62 | 115.42 | 1.48 |
| | 005 | F01 | 57 | 14. | 48. | 78. | 92. | 107. | 143. | 160. | 205. | 205. | 95. | 37.64 | 86.53 | 1.58 |
| | 006 | F01 | 60 | 6. | 18. | 61. | 78. | 90. | 129. | 152. | 166. | 166. | 79. | 38.05 | 66.65 | 2.00 |
| 078 Jefferson Co | 013 | G01 | 58 | 37. | 53. | 85. | 101. | 128. | 166. | 183. | 199. | 199. | 108. | 39.91 | 99.79 | 1.51 |
| | 023 | G01 | 25 | 40. | 42. | 51. | 65. | 77. | 93. | 100. | 105. | 105. | | | | |
| | 024 | G01 | 33 | 30. | 47. | 74. | 78. | 102. | 150. | 249. | 257. | 257. | | | | |
| | 025 | G01 | 70 | 16. | 43. | 65. | 83. | 101. | 121. | 149. | 202. | 202. | 86. | 35.09 | 79.16 | 1.56 |
| 078 Louisville | 002 | F01 | 40 | 28. | 50. | 68. | 82. | 105. | 129. | 163. | 291. | 291. | 93. | 45.45 | 84.62 | 1.55 |
| | 003 | A01 | 24 | 61. | 70. | 87. | 94. | 120. | 142. | 143. | 144. | 144. | 102. | 26.36 | 99.12 | 1.30 |
| | 004 | G02 | 73 | 1. | 66. | 81. | 95. | 111. | 139. | 153. | 206. | 206. | 99. | 32.28 | 89.33 | 1.99 |
| | 007 | G01 | 69 | 34. | 57. | 75. | 98. | 117. | 169. | 195. | 267. | 267. | 106. | 45.22 | 97.32 | 1.52 |
| | 012 | G01 | 71 | 38. | 74. | 93. | 107. | 128. | 160. | 179. | 224. | 224. | 113. | 36.13 | 107.50 | 1.40 |
| | 014 | G01 | 72 | 27. | 72. | 83. | 94. | 109. | 133. | 148. | 255. | 255. | 99. | 30.42 | 95.17 | 1.35 |
| 078 Okolona | 001 | G01 | 67 | 29. | 79. | 108. | 125. | 138. | 166. | 239. | 304. | 304. | 129. | 45.99 | 121.12 | 1.44 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY — Cont.** | | | | | | | | | | | | | | | | |
| 078 Pleasure Ridge Park | 001 | G01 | 69 | 22. | 36. | 56. | 71. | 81. | 109. | 124. | 195. | 195. | 72. | 28.69 | 66.35 | 1.49 |
| 078 St Matthews | 001 | G01 | 64 | 16. | 38. | 51. | 57. | 64. | 85. | 97. | 117. | 117. | 59. | 18.73 | 56.07 | 1.41 |
| | 003 | G01 | 41 | 32. | 55. | 63. | 74. | 86. | 105. | 132. | 342. | 342. | | | | |
| 078 Shively | 002 | G01 | 69 | 39. | 70. | 94. | 108. | 137. | 171. | 197. | 207. | 207. | 116. | 39.39 | 109.09 | 1.44 |
| 079 Alexandria | 001 | F01 | 27 | 24. | 30. | 59 | 69. | 81. | 170. | 185. | 211. | 211. | | | | |
| 079 Boone Co | 001 | F01 | 51 | 28. | 38. | 49. | 60. | 71. | 83. | 93. | 110. | 110. | 60. | 18.57 | 57.41 | 1.38 |
| | 002 | F01 | 22 | 21. | 26. | 45. | 47. | 92. | 102. | 112. | 141. | 141. | | | | |
| 079 Carroll Co | 001 | F03 | 8 | 22. | 22. | 26. | 26. | 66. | 104. | 104. | 104. | 104. | | | | |
| 079 Carrollton | 001 | F01 | 10 | 10. | 10. | 29. | 50. | 57. | 80. | 86. | 86. | 86. | | | | |
| 079 Covington | 001 | A01 | 25 | 54. | 57. | 77. | 86. | 108. | 127. | 134. | 272. | 272. | 96. | 42.93 | 90.29 | 1.41 |
| | 001 | F01 | 41 | 45. | 57. | 71. | 80. | 100. | 130. | 157. | 188. | 188. | | | | |
| | 002 | F01 | 9 | 33. | 33. | 54. | 60. | 85. | 160. | 160. | 160. | 160. | | | | |
| 079 Erlanger | 001 | F01 | 54 | 13. | 33. | 48. | 63. | 74. | 116. | 126. | 143. | 143. | 66. | 29.54 | 59.60 | 1.62 |
| 079 Florence | 001 | F01 | 14 | 27. | 30. | 40. | 64. | 74. | 89. | 96. | 96. | 96. | | | | |
| 079 Fort Mitchell | 001 | F01 | 28 | 21. | 26. | 37. | 49. | 64. | 94. | 113. | 115. | 115. | | | | |
| 079 Fort Thomas | 001 | F01 | 45 | 27. | 38. | 55. | 67. | 81. | 109. | 128. | 174. | 174. | | | | |
| 079 Newport | 001 | F01 | 61 | 78. | 104. | 120. | 145. | 164. | 221. | 263. | 337. | 337. | 153. | 53.33 | 145.03 | 1.38 |
| 101 Corbin | 001 | F01 | 40 | 2. | 40. | 71. | 89. | 114. | 160. | 192. | 243. | 243. | 98. | 51.90 | 79.57 | 2.31 |
| 101 London | 001 | F01 | 37 | 15. | 22. | 36. | 48. | 61. | 101. | 120. | 125. | 125. | 53. | 27.74 | 46.49 | 1.70 |
| 101 Pikeville | 001 | F01 | 43 | 27. | 53. | 67. | 73. | 107. | 156. | 174. | 224. | 224. | 91. | 45.38 | 81.91 | 1.59 |
| 101 Prestonsburg | 001 | F01 | 13 | 46. | 47. | 64. | 84. | 124. | 158. | 234. | 234. | 234. | | | | |
| 102 Danville | 001 | F01 | 3 | 59. | 59. | 59. | 64. | 78. | 78. | 78. | 78. | 78. | | | | |
| | 002 | F01 | 4 | 63. | 63. | 86. | 86. | 95. | 106. | 106. | 106. | 106. | | | | |
| 102 Frankfort | 002 | F01 | 54 | 20. | 28. | 37. | 50. | 55. | 67. | 86. | 141. | 141. | 50. | 20.48 | 46.32 | 1.46 |
| 102 Franklin Co | 001 | F03 | 58 | 14. | 20. | 32. | 38. | 51. | 81. | 102. | 146. | 146. | 45. | 25.27 | 40.13 | 1.64 |
| 102 Lexington | 001 | A01 | 25 | 38. | 48. | 68. | 74. | 79. | 97. | 124. | 124. | 124. | 75. | 20.30 | 72.25 | 1.32 |
| | 003 | F01 | 29 | 17. | 22. | 40. | 48. | 59. | 72. | 83. | 115. | 115. | | | | |
| 103 Ashland | 002 | A01 | 24 | 67. | 73. | 106. | 122. | 192. | 302. | 337. | 377. | 377. | 161. | 84.96 | 142.45 | 1.63 |
| | 003 | F01 | 50 | 36. | 42. | 70. | 85. | 131. | 188. | 223. | 257. | 257. | 109. | 60.32 | 94.38 | 1.72 |
| | 005 | F01 | 50 | 31. | 36. | 63. | 81. | 108. | 198. | 246. | 402. | 402. | 107. | 74.94 | 87.16 | 1.88 |
| | 006 | F01 | 51 | 25. | 33. | 50. | 60. | 95. | 134. | 172. | 204. | 204. | | | | |
| | 007 | F01 | 5 | 22. | 22. | 30. | 33. | 46. | 50. | 50. | 50. | 50. | | | | |
| 103 Catlettsburg | 001 | F01 | 4 | 46. | 46. | 53. | 53. | 66. | 77. | 77. | 77. | 77. | | | | |
| 103 Greenup Co | 001 | F01 | 3 | 20. | 20. | 20. | 33. | 60. | 60. | 60. | 60. | 60. | | | | |
| 103 Maysville | 002 | F02 | 18 | 28. | 31. | 38. | 54. | 65. | 78. | 125. | 125. | 125. | | | | |
| | 003 | F02 | 19 | 16. | 28. | 39. | 49. | 54. | 68. | 85. | 85. | 85. | | | | |
| | 004 | F01 | 18 | 22. | 33. | 51. | 57. | 63. | 75. | 111. | 111. | 111. | | | | |
| 103 Morehead | 001 | F01 | 31 | 11. | 20. | 36. | 41. | 50. | 118. | 165. | 226. | 226. | 57. | 47.19 | 44.36 | 2.02 |
| 104 Elizabethtown | 002 | F01 | 32 | 4. | 38. | 56. | 63. | 111. | 147. | 202. | 224. | 224. | | | | |
| 105 Bowling Green | 001 | A01 | 26 | 27. | 30. | 39. | 53. | 68. | 80. | 96. | 144. | 144. | 56. | 25.49 | 51.40 | 1.50 |
| **LOUISIANA** | | | | | | | | | | | | | | | | |
| 022 Shreveport | 001 | A01 | 21 | 31. | 58. | 68. | 75. | 82. | 128. | 144. | 196. | 196. | 86. | 36.98 | 79.60 | 1.49 |
| 106 Baton Rouge | 001 | A01 | 24 | 32. | 43. | 63. | 70. | 80. | 95. | 96. | 96. | 96. | 70. | 17.70 | 67.78 | 1.34 |
| 106 New Orleans | 002 | A01 | 26 | 34. | 46. | 63. | 75. | 82. | 91. | 94. | 110. | 110. | 73. | 17.44 | 70.44 | 1.30 |
| 106 St John The Baptist Par | 002 | F01 | 19 | 25. | 26. | 62. | 84. | 97. | 175. | 196. | 196. | 196. | | | | |
| **MAINE** | | | | | | | | | | | | | | | | |
| 109 Acadia Nat Park | 001 | A03 | 23 | 10. | 12. | 20. | 26. | 30. | 37. | 38. | 40. | 40. | 25. | 8.86 | 23.21 | 1.50 |
| 110 Biddeford | 001 | F01 | 74 | 8. | 24. | 31. | 40. | 49. | 63. | 87. | 102. | 102. | | | | |
| 110 Eliot | 001 | F01 | 31 | 11. | 17. | 25. | 29. | 36. | 57. | 67. | 72. | 72. | | | | |
| 110 Portland | 002 | A01 | 24 | 36. | 47. | 55. | 61. | 81. | 126. | 151. | 246. | 246. | 80. | 45.27 | 71.40 | 1.57 |
| | 004 | F01 | 143 | 24. | 40. | 52. | 62. | 71. | 91. | 100. | 114. | 114. | 64. | 19.39 | 60.75 | 1.37 |
| | 005 | F01 | 122 | 16. | 31. | 41. | 51. | 65. | 93. | 104. | 128. | 129. | | | | |
| 110 Sanford | 001 | F01 | 46 | 6. | 11. | 22. | 25. | 32. | 60. | 63. | 86. | 86. | | | | |
| 110 South Portland | 001 | F01 | 146 | 16. | 25. | 32. | 40. | 48. | 63. | 69. | 96. | 104. | | | | |
| | 002 | F01 | 147 | 17. | 24. | 32. | 38. | 45. | 61. | 69. | 89. | 94. | 41. | 14.96 | 38.27 | 1.42 |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Capitol Heights | 001 | G01 | 14 | 35. | 43. | 50. | 58. | 77. | 106. | 125. | 125. | 125. | | | | |
| 047 Cheverly | 001 | G01 | 16 | 1. | 29. | 51. | 56. | 74. | 85. | 98. | 98. | 98. | | | | |
| 047 Hyattsville | 002 | G01 | 15 | 23. | 26. | 48. | 52. | 61. | 83. | 85. | 85. | 85. | | | | |
| 047 Laurel | 001 | G01 | 13 | 23. | 38. | 46. | 59 | 68. | 83 | 93. | 93. | 93. | | | | |
| 047 Prince Georges Co | 001 | G01 | 16 | 20. | 26. | 40 | 49. | 53. | 84 | 85. | 85. | 85. | | | | |
| | 002 | G01 | 14 | 24. | 25. | 43. | 47. | 53. | 64. | 67. | 67. | 67. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MARYLAND — Cont.** | | | | | | | | | | | | | | | | |
| | 003 | G01 | 16 | 29. | 33. | 47. | 50. | 56. | 75. | 76. | 76. | 76. | | | | |
| | 006 | G01 | 16 | 33. | 33. | 50. | 60. | 85. | 91. | 101. | 101. | 101. | | | | |
| | 010 | G01 | 16 | 40. | 45. | 76. | 97. | 165. | 196. | 198. | 198. | 198. | | | | |
| | 011 | G01 | 16 | 23. | 24. | 40. | 48. | 58. | 69. | 95. | 95. | 95. | | | | |
| | 012 | G01 | 16 | 1. | 24. | 39. | 43. | 57. | 61. | 81. | 81. | 81. | | | | |
| | 018 | G01 | 16 | 21. | 21. | 34. | 37. | 49. | 52. | 58. | 58. | 58. | | | | |
| | 019 | G01 | 12 | 1. | 23. | 37. | 45. | 47. | 58. | 72. | 72. | 72. | | | | |
| | 020 | G01 | 16 | 1. | 23. | 51. | 55. | 66. | 95. | 104. | 104. | 104. | | | | |
| | 021 | G01 | 12 | 1. | 21. | 41. | 46. | 53. | 68. | 69. | 69. | 69. | | | | |
| 115 Baltimore | 001 | A01 | 24 | 42. | 49. | 67. | 77. | 108. | 185. | 266. | 285. | 285. | | | | |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 042 Belchertown | 001 | F01 | 111 | 7. | 13. | 22. | 35. | 50. | 84. | 110. | 133. | 142. | | | | |
| 042 Chicopee | 001 | F01 | 224 | 15. | 42. | 56. | 66. | 80. | 108. | 122. | 160. | 209. | 72. | 28.59 | 66.78 | 1.48 |
| | 003 | F01 | 21 | 21. | 33. | 40. | 54. | 70. | 95. | 113. | 113. | 113. | | | | |
| 042 Greenfield | 001 | F01 | 27 | 23. | 38. | 48. | 58. | 69. | 90. | 96. | 141. | 141. | | | | |
| 042 Holyoke | 004 | F01 | 220 | 17. | 37 | 50. | 68. | 81. | 108. | 126. | 159. | 184. | 70. | 28.76 | 64.85 | 1.52 |
| 042 Northfield | 001 | F01 | 3 | 13. | 13. | 13. | 28. | 48. | 48. | 48. | 48. | 48. | | | | |
| 042 Springfield | 002 | F01 | 153 | 24. | 47. | 59. | 74. | 87. | 113. | 132. | 149. | 154. | | | | |
| | 003 | A01 | 17 | 31. | 35. | 50. | 65. | 72. | 95. | 125. | 125. | 125. | | | | |
| | 003 | F01 | 229 | 30. | 48. | 69. | 85. | 103. | 136. | 146. | 174. | 197. | 88. | 32.55 | 82.06 | 1.47 |
| | 005 | F01 | 53 | 46. | 65. | 79. | 101. | 120. | 197. | 263. | 291. | 291. | | | | |
| 117 Adams | 001 | F01 | 15 | 21. | 24. | 30. | 35. | 48. | 73. | 81. | 81. | 81. | | | | |
| 117 Lee | 001 | F01 | 19 | 6. | 18. | 48. | 59. | 69. | 90. | 92. | 92. | 92. | | | | |
| 117 North Adams | 001 | F01 | 85 | 4. | 22. | 40. | 58. | 70. | 134. | 141. | 241. | 241. | 64. | 42.33 | 51.14 | 2.10 |
| 117 Pittsfield | 001 | F01 | 109 | 17. | 35. | 49. | 59. | 83. | 127. | 161. | 237. | 243. | 74. | 42.72 | 64.32 | 1.67 |
| | 002 | F01 | 14 | 2. | 19. | 30. | 37. | 41. | 63. | 107. | 107. | 107. | | | | |
| | 003 | F01 | 27 | 2. | 3. | 33. | 39. | 55. | 106. | 122. | 124. | 124. | | | | |
| 118 Worchester | 001 | A01 | 25 | 56. | 58. | 112. | 128. | 179. | 283. | 304. | 337. | 337. | 156. | 77.60 | 138.41 | 1.66 |
| | 004 | F01 | 19 | 46. | 59. | 80. | 98. | 114. | 171. | 194. | 194. | 194. | | | | |
| | 008 | F01 | 39 | 29. | 44. | 53. | 66. | 81. | 121. | 154. | 164. | 164. | | | | |
| 119 Boston | 001 | A01 | 10 | 49. | 49. | 67. | 73. | 91. | 107. | 259. | 259. | 259. | | | | |
| | 001 | F01 | 106 | 25. | 44. | 70. | 81. | 100. | 129. | 155. | 199. | 285. | 88. | 37.28 | 80.85 | 1.49 |
| | 002 | F01 | 154 | 28. | 68. | 88. | 109. | 128. | 192. | 224. | 303. | 340. | 120. | 53.04 | 109.84 | 1.51 |
| | 012 | F01 | 111 | 32. | 54. | 70. | 80. | 102. | 136. | 147. | 174. | 198. | 88. | 33.20 | 82.58 | 1.45 |
| | 013 | F01 | 86 | 11. | 43. | 62. | 77. | 104. | 143. | 192. | 307. | 307. | 90. | 52.97 | 77.65 | 1.76 |
| 119 Brookline | 001 | F01 | 31 | 26. | 36. | 44. | 52. | 75. | 87. | 132. | 359. | 359. | | | | |
| 119 Cambridge | 001 | A01 | 21 | 36. | 44. | 58. | 67. | 77. | 139. | 139. | 149. | 149. | 76. | 32.64 | 69.93 | 1.48 |
| | 001 | F01 | 28 | 29. | 35. | 50. | 56. | 72. | 144. | 154. | 166. | 166. | | | | |
| | 004 | F01 | 152 | 31. | 51. | 74. | 96. | 123. | 167. | 183. | 331. | 363. | 104. | 50.55 | 93.93 | 1.58 |
| 119 Framingham | 001 | F01 | 31 | 22. | 24. | 32. | 43. | 61. | 78. | 82. | 89. | 89. | | | | |
| 119 Lynn | 001 | F01 | 33 | 28. | 32. | 41. | 52. | 86. | 108. | 168. | 181. | 181. | | | | |
| 119 Marblehead | 001 | F01 | 39 | 15. | 20. | 32. | 36. | 55. | 70. | 121. | 125. | 125. | | | | |
| 119 Maynard | 001 | F01 | 25 | 12. | 14. | 20. | 28. | 42. | 75. | 84. | 93. | 93. | | | | |
| 119 Medford | 002 | F01 | 40 | 27. | 34. | 41. | 63. | 77. | 122. | 132. | 179. | 179. | 71. | 37.29 | 63.05 | 1.64 |
| | 003 | F01 | 19 | 43. | 55. | 65. | 81. | 89. | 131. | 149. | 149. | 149. | | | | |
| 119 Needham | 002 | F01 | 40 | 20. | 23. | 38. | 46. | 55. | 79. | 102. | 125. | 125. | | | | |
| 119 Norwood | 001 | F01 | 46 | 16. | 31. | 39. | 47. | 66. | 84. | 84. | 91. | 91. | 53. | 20.17 | 49.46 | 1.50 |
| 119 Quincy | 001 | F01 | 47 | 24. | 33. | 44. | 58. | 79. | 109. | 115. | 162. | 162. | 66. | 30.44 | 59.69 | 1.59 |
| 119 Revere | 002 | F01 | 40 | 25. | 31. | 40. | 52. | 74. | 96. | 104. | 116. | 116. | | | | |
| 119 Waltham | 003 | F01 | 40 | 22. | 27. | 39. | 58. | 76. | 102. | 112. | 139. | 139. | | | | |
| 119 Woburn | 002 | F01 | 38 | 1. | 22. | 36. | 47. | 60. | 75. | 87. | 106. | 106. | | | | |
| 120 Attleboro | 002 | F01 | 31 | 21. | 26. | 34. | 39. | 45. | 62. | 76. | 124. | 124. | | | | |
| 120 Fall River | 002 | A01 | 23 | 32. | 38. | 49. | 60. | 82. | 100. | 101. | 130. | 130. | 66. | 25.65 | 61.96 | 1.46 |
| | 003 | F01 | 32 | 21. | 29. | 36. | 40. | 57. | 82. | 86. | 93. | 93. | | | | |
| 120 Falmouth | 001 | F01 | 24 | 17. | 21. | 29. | 36. | 44. | 52. | 53. | 56. | 56. | | | | |
| 120 New Bedford | 002 | F01 | 23 | 23. | 28. | 32. | 42. | 48. | 65. | 67. | oo | 68. | | | | |
| 120 Plymouth | 001 | F01 | 33 | 19. | 24. | 29. | 34. | 41. | 56. | 67. | 77. | 77. | | | | |
| 121 Billerica | 001 | F01 | 22 | 8. | 22. | 32. | 50. | 68. | 97. | 124. | 183. | 188. | | | | |
| 121 Haverhill | 001 | F01 | 20 | 19. | 23. | 38. | 51. | 61. | 81. | 97. | 124. | 124. | | | | |
| 121 Lawrence | 002 | F01 | 19 | 8. | 11. | 45. | 56. | 89. | 127. | 153. | 153. | 153. | | | | |
| 121 Lowell | 001 | F01 | 29 | 3. | 23. | 45. | 65. | 94. | 109. | 124. | 221. | 221. | | | | |
| 121 Newburyport | 001 | F01 | 26 | 16. | 22. | 29. | 36. | 66. | 106. | 123. | 124. | 124. | | | | |
| **MICHIGAN** | | | | | | | | | | | | | | | | |
| 082 Benton Harbor | 001 | F01 | 23 | 31. | 34. | 65 | 73. | 93. | 134. | 137. | 154. | 154. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MICHIGAN — Cont.** | | | | | | | | | | | | | | | | |
| | 002 | F01 | 17 | 17. | 30. | 51. | 74. | 103. | 120. | 133. | 133. | 133. | | | | |
| 082 Dowagiac | 001 | F01 | 19 | 30. | 36. | 53. | 75. | 83. | 100. | 111. | 111. | 111. | | | | |
| 082 Niles | 001 | F01 | 24 | 16. | 37. | 47. | 60. | 73. | 113. | 132. | 153. | 153. | 68. | 32.36 | 60.79 | 1.63 |
| 082 Paw Paw | 001 | F01 | 22 | 18. | 23. | 31. | 47. | 64. | 84. | 107. | 110. | 110. | | | | |
| 122 Bay City | 001 | F01 | 21 | 22. | 39. | 64. | 80. | 90. | 111. | 116. | 174. | 174. | | | | |
| 122 Essexville | 002 | F01 | 20 | 4. | 21. | 29. | 45. | 55. | 60. | 64. | 81. | 81. | | | | |
| | 003 | F01 | 20 | 21. | 21. | 38. | 47. | 51. | 65. | 76. | 82. | 82. | | | | |
| 122 Flint | 001 | A01 | 23 | 29. | 39. | 53. | 73. | 85. | 92. | 106. | 106. | 106. | 69. | 21.98 | 65.65 | 1.42 |
| 122 Grand Rapids | 001 | A01 | 24 | 40. | 44. | 66. | 72. | 96. | 127. | 140. | 194. | 194. | 83. | 38.06 | 75.31 | 1.55 |
| | 002 | H01 | 26 | 26. | 33. | 55. | 73. | 103. | 159. | 163. | 204. | 204. | 84. | 43.82 | 74.26 | 1.68 |
| | 005 | H01 | 22 | 39. | 46. | 58. | 70. | 82. | 113. | 124. | 216. | 216. | | | | |
| | 006 | H01 | 26 | 42. | 47. | 65. | 78. | 103. | 129. | 150. | 231. | 231. | 88. | 41.84 | 80.4 | 1.53 |
| | 007 | H01 | 26 | 41. | 44. | 76. | 96. | 129. | 167. | 169. | 192. | 192. | 103. | 43.19 | 93.31 | 1.58 |
| | 010 | H01 | 24 | 28. | 31. | 37. | 48. | 74. | 102. | 139. | 140. | 140. | | | | |
| | 011 | H01 | 26 | 38. | 49. | 85. | 125. | 199. | 244. | 248. | 283. | 283. | 137. | 69.67 | 118.89 | 1.77 |
| | 015 | H01 | 26 | 22. | 29. | 37. | 45. | 75. | 104. | 117. | 138. | 138. | 57. | 29.49 | 51.08 | 1.62 |
| | 018 | H01 | 26 | 12. | 18. | 30. | 35. | 52. | 62. | 64. | 105. | 105. | 41. | 20.41 | 36.54 | 1.67 |
| | 019 | H01 | 26 | 12. | 22. | 27. | 36. | 57. | 84. | 92. | 128. | 128. | 45. | 27.18 | 38.53 | 1.76 |
| 122 Muskegon | 001 | F01 | 23 | 27. | 40. | 49. | 66. | 93. | 115. | 132. | 149. | 149. | 72. | 31.35 | 66.12 | 1.54 |
| | 010 | F01 | 24 | 29. | 40. | 49. | 53. | 74. | 112. | 114. | 127. | 127. | 66. | 26.32 | 60.99 | 1.47 |
| | 011 | F01 | 23 | 28. | 30. | 45. | 79. | 100. | 142. | 209. | 350. | 350. | 91. | 71.56 | 73.37 | 1.92 |
| 122 Saginaw | 001 | A01 | 26 | 32. | 43. | 58. | 65. | 96. | 123. | 124. | 164. | 164. | 76. | 32.22 | 70.29 | 1.50 |
| 123 Allen Park | 001 | G01 | 49 | 53. | 69. | 94. | 122. | 167. | 261. | 279. | 443. | 443. | 143. | 79.50 | 126.22 | 1.63 |
| 123 Dearborn | 001 | A01 | 16 | 34. | 52. | 55. | 83. | 137. | 242. | 361. | 361. | 361. | | | | |
| | 002 | G01 | 48 | 57. | 89. | 131. | 181. | 246. | 397. | 447. | 856. | 856. | | | | |
| | 003 | G01 | 48 | 30. | 39. | 58. | 74. | 102. | 134. | 165. | 240. | 240. | 85. | 43.82 | 75.57 | 1.64 |
| 123 Detroit | 001 | A01 | 24 | 59. | 63. | 76. | 93. | 107. | 138. | 145. | 156. | 156. | 96. | 29.01 | 92.12 | 1.35 |
| | 002 | G01 | 59 | 43. | 64. | 76. | 102. | 138. | 199. | 220. | 256. | 256. | 115. | 49.51 | 105.42 | 1.52 |
| | 006 | G01 | 48 | 36. | 54. | 66. | 91. | 113. | 193. | 213. | 224. | 224. | 100. | 49.42 | 89.72 | 1.59 |
| | 012 | G01 | 53 | 66. | 90. | 130. | 166. | 208. | 256. | 293. | 349. | 349. | 173. | 66.93 | 160.20 | 1.49 |
| | 014 | G01 | 35 | 30. | 44. | 57. | 64. | 76. | 127. | 178. | 197. | 197. | | | | |
| | 015 | G01 | 48 | 70. | 105. | 148. | 198. | 244. | 332. | 379. | 436. | 436. | 207. | 88.22 | 189.44 | 1.55 |
| | 016 | G01 | 54 | 54. | 65. | 82. | 111. | 150. | 234. | 275. | 461. | 461. | 139. | 82.48 | 120.54 | 1.67 |
| | 017 | G01 | 54 | 50. | 68. | 113. | 141. | 187. | 321. | 339. | 376. | 376. | 165. | 86.10 | 143.94 | 1.70 |
| | 018 | G01 | 51 | 45. | 62. | 77. | 108. | 120. | 180. | 228. | 317. | 317. | 113. | 53.31 | 102.73 | 1.53 |
| | 019 | G01 | 57 | 30. | 47. | 66. | 75. | 105. | 164. | 218. | 258. | 258. | 93. | 51.09 | 82.15 | 1.63 |
| 123 East Detroit | 001 | F01 | 21 | 49. | 70. | 82. | 100. | 123. | 233. | 250. | 327. | 327. | | | | |
| 123 Fraser | 001 | F01 | 22 | 41. | 50. | 59. | 67. | 83. | 109. | 116. | 182. | 182. | | | | |
| 123 Grosse Ile | 004 | G01 | 57 | 47. | 73. | 104. | 133. | 162. | 219. | 260. | 291. | 291. | 141. | 56.19 | 129.80 | 1.51 |
| 123 Livonia | 002 | G01 | 54 | 27. | 35. | 53. | 75. | 95. | 163. | 189. | 235. | 235. | | | | |
| 123 Macomb Co | 001 | F01 | 25 | 16. | 19. | 33. | 44. | 51. | 107. | 112. | 119. | 119. | | | | |
| | 002 | F01 | 23 | 35. | 38. | 43. | 64. | 76. | 88. | 103. | 301. | 301. | | | | |
| | 003 | F01 | 19 | 28. | 33. | 40. | 68. | 74. | 157. | 184. | 184. | 184. | | | | |
| 123 Marine City | 001 | F01 | 22 | 40. | 46 | 52. | 62. | 84. | 113. | 122. | 128. | 128. | | | | |
| 123 Mount Clemens | 001 | F01 | 39 | 17. | 31. | 39. | 52. | 63. | 98. | 103. | 180. | 180. | 58. | 29.47 | 52.16 | 1.57 |
| 123 New Baltimore | 001 | F01 | 21 | 29. | 34. | 42. | 60. | 67. | 112. | 116. | 143. | 143. | | | | |
| 123 Pontiac | 001 | F01 | 23 | 37. | 42. | 62. | 75. | 84. | 89 | 120. | 191. | 191. | | | | |
| 123 Port Huron | 001 | F01 | 18 | 47. | 61. | 74. | 94. | 121. | 191. | 216. | 216. | 216. | | | | |
| | 002 | F01 | 24 | 10. | 57. | 68. | 77. | 109. | 175. | 198. | 235. | 235. | | | | |
| | 003 | F01 | 25 | 44. | 51. | 62. | 74. | 107. | 143. | 152. | 189. | 189. | 91. | 37.60 | 84.24 | 1.49 |
| | 004 | F01 | 22 | 21. | 32. | 41. | 51. | 66. | 106. | 121. | 124. | 124. | | | | |
| 123 River Rouge | 005 | G01 | 54 | 48. | 65. | 104. | 135. | 168. | 245. | 422. | 779. | 779. | 165. | 121.52 | 138.31 | 1.77 |
| 123 Royal Oak | 001 | F01 | 21 | 31. | 38. | | 72. | 84. | 111. | 129. | 291. | 291. | | | | |
| 123 St Clair | 002 | F01 | 19 | 32. | 44. | 51. | 66. | 83. | 129. | 189. | 189. | 189. | | | | |
| 123 St Clair Shores | 001 | F01 | 22 | 36. | 41. | 52. | 65. | 84. | 95. | 102. | 169. | 169. | | | | |
| 123 Southfield | 001 | F01 | 17 | 22. | 41. | 54. | 64. | 79. | 114. | 115. | 115. | 115. | | | | |
| 123 Sterling Heights | 001 | F01 | 20 | 36. | 45. | 55. | 76. | 102. | 110. | 116. | 122. | 122. | | | | |
| | 002 | F01 | 23 | 33. | 42. | 53. | 62. | 89. | 135. | 224. | 282. | 282. | | | | |
| 123 Trenton | 001 | A01 | 26 | 50. | 54. | 69. | 77. | 125. | 161. | 171. | 181. | 181. | 101. | 39.04 | 93.67 | 1.48 |
| | 003 | G01 | 53 | 31. | 54. | 82. | 101. | 123. | 173. | 190. | 259. | 259. | 107. | 45.52 | 97.72 | 1.56 |
| 123 Warren | 001 | F01 | 41 | 30. | 48. | 59. | 68. | 84. | 122. | 143. | 173. | 173. | 78. | 31.90 | 72.44 | 1.46 |
| | 002 | F01 | 18 | 35. | 48. | 61. | 72. | 98. | 121. | 151. | 151. | 151. | | | | |
| 123 Wayne Co | 009 | G01 | 50 | 30. | 35. | 57. | 74. | 89. | 126. | 158. | 210. | 210. | 81. | 38.30 | 73.22 | 1.57 |
| 123 Westland | 001 | G01 | 54 | 23. | 33. | 54. | 76. | 91. | 128. | 165. | 201. | 201. | 80. | 40.03 | 70.38 | 1.67 |
| 123 Wyandotte | 001 | G01 | 57 | 44. | 68. | 88. | 121. | 142. | 202. | 233. | 318. | 318. | 125. | 55.10 | 113.90 | 1.55 |
| 124 Monroe | 001 | F01 | 22 | 36. | 63. | 81. | 91. | 104. | 149. | 170. | 175. | 175. | 100. | 35.52 | 94.27 | 1.45 |
| | 003 | F01 | 21 | 21. | 51. | 59. | 85. | 101. | 145. | 166. | 248. | 248. | | | | |
| | 004 | F01 | 22 | 21. | 73. | 86. | 115. | 142. | 177 | 203. | 213. | 213. | 117. | 46.89 | 106.07 | 1.64 |
| 125 Ann Arbor | 002 | F01 | 22 | 30. | 41. | 55. | 65. | 87. | 101. | 102. | 108. | 108. | 70. | 23.18 | 65.87 | 1.44 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MICHIGAN — Cont.** | | | | | | | | | | | | | | | | |
| 125 Jackson | 001 | F01 | 25 | 8. | 28. | 37. | 52. | 60. | 76. | 80. | 96. | 96. | 50. | 20.52 | 44.91 | 1.68 |
| 125 Kalamazoo | 002 | F01 | 25 | 15. | 35. | 51. | 71. | 91. | 129. | 130. | 142. | 142. | 74. | 33.23 | 66.18 | 1.68 |
| 125 Lansing | 001 | A01 | 24 | 13. | 55. | 62. | 84. | 109. | 159. | 164. | 196. | 196. | 94. | 43.48 | 83.41 | 1.75 |
| 126 Alpena | 001 | F01 | 19 | 18. | 20. | 34. | 56. | 78. | 160. | 261. | 261. | 261. | | | | |
| | 002 | F01 | 20 | 19. | 21. | 28. | 50. | 92. | 162. | 179. | 312. | 312. | | | | |
| | 003 | F01 | 19 | 13. | 18. | 24. | 34. | 59. | 141. | 230. | 230. | 230. | | | | |
| 126 Charlevoix | 001 | F01 | 25 | 2. | 8. | 19. | 27. | 46. | 88. | 103. | 163. | 163. | 39. | 36.23 | 25.45 | 2.79 |
| | 002 | F01 | 25 | 3. | 8. | 11. | 16. | 25. | 50. | 56. | 59. | 59. | 21. | 15.16 | 16.69 | 2.11 |
| | 003 | F01 | 25 | 10. | 11. | 16. | 31. | 42. | 74. | 77. | 79. | 79. | 34. | 22.46 | 27.40 | 2.01 |
| | 005 | F01 | 24 | 6. | 10. | 17. | 23. | 30. | 63. | 72. | 86. | 86. | 30. | 21.30 | 23.51 | 2.03 |
| 126 Marquette | 005 | F01 | 29 | 6. | 18. | 28. | 42. | 57. | 101. | 161. | 463. | 463. | 61. | 83.41 | 41.67 | 2.22 |
| 126 Sault Ste Marie | 002 | F01 | 17 | 12. | 26. | 33. | 38. | 41. | 52. | 56. | 56. | 56. | | | | |
| **MINNESOTA** | | | | | | | | | | | | | | | | |
| 129 Duluth | 001 | A01 | 25 | 24. | 28. | 45. | 57. | 72. | 105. | 114. | 121. | 121. | 62. | 28.86 | 54.92 | 1.65 |
| 130 Moorhead | 001 | A01 | 19 | 19. | 30. | 55. | 64. | 96. | 123. | 133. | 133. | 133. | | | | |
| 131 Minneapolis | 001 | A01 | 24 | 26. | 49. | 58. | 62. | 68. | 85. | 86. | 88. | 88. | 63. | 14.57 | 61.47 | 1.30 |
| 131 St Paul | 001 | A01 | 23 | 22. | 44. | 51. | 59. | 65. | 80. | 83. | 223. | 223. | | | | |
| **MISSISSIPPI** | | | | | | | | | | | | | | | | |
| 005 Jackson | 002 | A01 | 12 | 43. | 45. | 65. | 76. | 99. | 127. | 157. | 157. | 157. | | | | |
| 005 Jackson Co | 001 | A03 | 23 | 11. | 19. | 24. | 32. | 35. | 46. | 47. | 51. | 51. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Jennings | 001 | G01 | 10 | 41. | 41. | 73. | 91. | 101. | 110. | 170. | 170. | 170. | | | | |
| 070 Lemay | 002 | G01 | 10 | 40. | 40. | 66. | 79. | 91. | 96. | 98. | 98. | 98. | | | | |
| | 003 | G01 | 52 | 32. | 57. | 91. | 117. | 165. | 242. | 322. | 400. | 400. | 142. | 81.94 | 121.90 | 1.76 |
| 070 St Charles | 001 | F01 | 3 | 41. | 41. | 41. | 69. | 117. | 117. | 117. | 117. | 117. | | | | |
| | 002 | F01 | 5 | 20. | 20. | 26. | 28. | 31. | 39. | 39. | 39. | 39. | | | | |
| 070 St Louis | 001 | A01 | 23 | 13. | 26. | 73. | 108. | 141. | 164. | 180. | 437. | 437. | 114. | 85.37 | 88.11 | 2.22 |
| | 002 | A05 | 5 | 48. | 48. | 93. | 120. | 247. | 376. | 376. | 376. | 376. | | | | |
| | 002 | A10 | 162 | 28. | 76. | 106. | 135. | 166. | 215. | 241. | 306. | 325. | 141. | 54.18 | 130.65 | 1.49 |
| | 006 | H01 | 5 | 48. | 48. | 93. | 120. | 247. | 376. | 376. | 376. | 376. | | | | |
| | 007 | H01 | 50 | 47. | 75. | 101. | 142. | 163. | 261. | 286. | 479. | 479. | 153. | 78.21 | 136.98 | 1.61 |
| | 012 | H01 | 54 | 25. | 46. | 70. | 82. | 101. | 139. | 187. | 219. | 219. | 90. | 40.55 | 82.16 | 1.57 |
| | 025 | H01 | 53 | 33. | 46. | 66. | 72. | 89. | 113. | 131. | 145. | 145. | 79. | 25.73 | 74.57 | 1.39 |
| | 027 | H01 | 7 | 44. | 44. | 69. | 80. | 92. | 149. | 149. | 149. | 149. | | | | |
| | 061 | H01 | 49 | 44. | 69. | 98. | 118. | 143. | 204. | 229. | 263. | 263. | 125. | 50.55 | 115.89 | 1.49 |
| 070 St Louis Co | 001 | H01 | 10 | 32. | 32. | 76. | 117. | 160. | 253. | 283. | 283. | 283. | | | | |
| | 003 | G01 | 10 | 21. | 21. | 49. | 71. | 77. | 89. | 95. | 95. | 95. | | | | |
| 094 Kansas City | 002 | A01 | 14 | 54. | 62. | 80. | 84. | 132. | 172. | 184. | 184. | 184. | | | | |
| | 002 | H01 | 59 | 1. | 1. | 1. | 1. | 78. | 104. | 177. | 218. | 232. | 232. | 69. | 71.32 | 10.44 | 15.45 |
| | 003 | H01 | 59 | 1. | 1. | 1. | 1. | 60. | 94. | 133. | 159. | 176. | 176. | 59. | 54.74 | 11.76 | 13.03 |
| | 004 | H01 | 59 | 1. | 1. | 1. | 1. | 54. | 94. | 135. | 147. | 313. | 313. | 58. | 63.87 | 9.30 | 13.99 |
| | 005 | H01 | 59 | 1. | 1. | 1. | 1. | 1. | 113. | 148. | 174. | 214. | 214. | 55. | 65.00 | 6.40 | 15.18 |
| | 006 | H01 | 28 | 1. | 1. | 1. | 1. | 1. | 95. | 137. | 148. | 173. | 173. | | | | |
| | 010 | H01 | 58 | 1. | 1. | 1. | 1. | 57. | 89. | 121. | 137. | 158. | 158. | 50. | 51.60 | 7.49 | 14.08 |
| | 012 | H01 | 59 | 1. | 1. | 1. | 1. | 1. | 83. | 119. | 121. | 257. | 257. | 39. | 56.13 | 3.54 | 13.10 |
| | 018 | H01 | 59 | 1. | 1. | 1. | 1. | 62. | 78. | 107. | 125. | 141. | 141. | 50. | 43.14 | 11.72 | 11.76 |
| | 021 | H01 | 31 | 1. | 1. | 1. | 1. | 1. | 139. | 229. | 237. | 245. | 245. | | | | |
| | 023 | H01 | 58 | 1. | 1. | 1. | 1. | 1. | 52. | 152. | 177. | 239. | 239. | 42. | 60.64 | 5.03 | 12.68 |
| 094 St Joseph | 002 | F01 | 41 | 33. | 43. | 60. | 72. | 87. | 129. | 148. | 230. | 230. | 83. | 43.04 | 74.56 | 1.56 |
| | 003 | F01 | 39 | 10. | 37. | 51. | 72. | 86. | 135. | 155. | 198. | 198. | 76. | 37.39 | 67.38 | 1.70 |
| 137 Columbia | 001 | F01 | 33 | 34. | 46. | 60. | 65. | 88. | 120. | 141. | 171. | 171. | 76. | 31.40 | 70.29 | 1.46 |
| | 002 | F01 | 45 | 30. | 35. | 50. | 68. | 79. | 123. | 133. | 321. | 321. | 76. | 50.14 | 66.61 | 1.64 |
| | 003 | F01 | 45 | 22. | 33. | 46. | 62. | 71. | 88. | 92. | 151. | 151. | 62. | 23.80 | 57.36 | 1.47 |
| | 005 | F01 | 34 | 17. | 23. | 38. | 45. | 61. | 93. | 153. | 192. | 192. | 56. | 37.08 | 47.56 | 1.74 |
| 137 Fulton | 001 | F01 | 26 | 8. | 20. | 31. | 40. | 58. | 99. | 137. | 173. | 173. | | | | |
| 137 Hannibal | 001 | F01 | 16 | 23. | 30. | 48. | 75. | 112. | 165. | 223. | 223. | 223. | | | | |
| | 002 | F01 | 16 | 58. | 89. | 101. | 146. | 177. | 291. | 341. | 341. | 341. | | | | |
| 137 Maryville | 001 | F01 | 25 | 14. | 21. | 36. | 52. | 68. | 96. | 114. | 273. | 273. | | | | |
| 137 Mexico | 001 | F01 | 45 | 25. | 30. | 44. | 51. | 58. | 73. | 76. | 139. | 139. | | | | |
| | 002 | F01 | 37 | 20. | 50. | 71. | 89. | 102. | 123. | 136. | 166. | 166. | | | | |
| | 003 | F01 | 35 | 36. | 48. | 57. | 72. | 76. | 97. | 123. | 129. | 129. | 71. | 20.60 | 67.89 | 1.33 |
| | 004 | F01 | 50 | 22. | 44. | 65. | 101. | 149. | 174. | 203. | 323. | 323. | 113. | 61.52 | 96.41 | 1.81 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MISSOURI — Cont.** | | | | | | | | | | | | | | | | |
| 138 Cape Girardeau | 001 | F01 | 49 | 17. | 27. | 40. | 57. | 70. | 86. | 88. | 149. | 149. | 57. | 25.87 | 51.35 | 1.61 |
| | 002 | F01 | 45 | 20. | 25. | 41. | 55. | 74. | 105. | 107. | 150. | 150. | 62. | 30.85 | 55.01 | 1.66 |
| 138 Iron Co | 004 | F02 | 31 | 27. | 38. | 56. | 68. | 91. | 130. | 182. | 193. | 193. | | | | |
| | 006 | F02 | 29 | 29. | 31. | 44. | 50. | 74. | 106. | 113. | 127. | 127. | | | | |
| 138 Poplar Bluff | 001 | F01 | 47 | 38. | 68. | 94. | 151. | 233. | 352. | 406. | 535. | 535. | 185. | 122.74 | 149.20 | 1.97 |
| | 002 | F01 | 47 | 14. | 2.. | 34. | 47. | 60. | 93. | 95. | 110. | 110. | 51. | 23.92 | 45.17 | 1.64 |
| 138 Rolla | 001 | F01 | 13 | 19. | 21. | 35. | 46. | 63. | 75. | 108. | 108. | 108. | 49. | 25.19 | 43.55 | 1.69 |
| 138 Sikeston | 001 | F01 | 49 | 16. | 27. | 44. | 54. | 62. | 76. | 89. | 121. | 121. | 54. | 20.67 | 49.69 | 1.52 |
| | 002 | F01 | 50 | 19. | 27. | 49. | 56. | 69. | 96. | 117. | 126. | 126. | 61. | 26.25 | 55.52 | 1.60 |
| 139 Joplin | 001 | F01 | 42 | 25. | 34. | 45. | 63. | 73. | 102. | 104. | 111. | 111. | 62. | 23.45 | 57.97 | 1.49 |
| | 002 | F01 | 39 | 30. | 44. | 65. | 83. | 125. | 197. | 337. | 531. | 531. | 114. | 92.38 | 93.07 | 1.84 |
| 139 Shannon Co | 002 | A03 | 25 | 5. | 16. | 22. | 26. | 39. | 47. | 88. | 89. | 89. | 32. | 20.29 | 27.24 | 1.86 |
| **MONTANA** | | | | | | | | | | | | | | | | |
| 140 Billings | 005 | G05 | 29 | 12. | 21. | 32. | 50. | 89. | 111. | 113. | 152. | 152. | | | | |
| | 006 | G02 | 19 | 22. | 27. | 49. | 56. | 67. | 119. | 120. | 120. | 120. | | | | |
| | 007 | G01 | 32 | 16. | 28. | 36. | 44. | 66. | 100. | 138. | 145. | 145. | | | | |
| | 008 | G01 | 28 | 29. | 43. | 58. | 76. | 90. | 138. | 147. | 190. | 190. | | | | |
| | 009 | G01 | 21 | 21. | 21. | 34. | 64. | 86. | 124. | 144. | 151. | 151. | | | | |
| | 047 | G01 | 22 | 4. | 24. | 29. | 75. | 110. | 222. | 273. | 276. | 276. | | | | |
| 140 Laurel | 001 | G02 | 8 | 26. | 26. | 33. | 43. | 81. | 9[illegible] | 96. | 96. | 96. | | | | |
| 141 Butte | 003 | F01 | 38 | 19. | 36. | 60. | 77. | 109. | 165. | 308. | 402. | 402. | | | | |
| | 004 | F01 | 32 | 27. | 62. | 114. | 131. | 203. | 237. | 258. | 323. | 323. | | | | |
| 141 Cascade Co | 016 | G02 | 6 | 30. | 30. | 70. | 74. | 98. | 100. | 100. | 100. | 100. | | | | |
| 141 Glacier Nat Park | 001 | A03 | 23 | 4. | 5. | 8. | 11. | 19. | 29. | 79. | 92. | 92. | 19. | 22.27 | 13.18 | 2.29 |
| 141 Great Falls | 007 | G02 | 92 | 10. | 22. | 33. | 48. | 75. | 98. | 113. | 185. | 185. | | | | |
| 142 Anaconda | 005 | F01 | 95 | 8. | 26. | 40. | 52. | 70. | 113. | 125. | 249. | 249. | 61. | 37.73 | 52.05 | 1.77 |
| 142 Butte | 001 | F01 | 37 | 23. | 49. | 76. | 83. | 105. | 154. | 251. | 319. | 319. | | | | |
| | 002 | F01 | 69 | 28. | 39. | 64. | 92. | 120. | 215. | 260. | 537. | 537. | 112. | 81.64 | 91.68 | 1.86 |
| | 005 | F01 | 62 | 15. | 41. | 69. | 105. | 153. | 210. | 235. | 371. | 371. | | | | |
| | 006 | F01 | 75 | 16. | 31. | 53. | 65. | 110. | 181. | 276. | 381. | 381. | 96. | 76.39 | 74.14 | 2.03 |
| | 007 | F01 | 40 | 32. | 39. | 62. | 100. | 117. | 185. | 199. | 282. | 282. | | | | |
| 142 Deer Lodge | 001 | F01 | 54 | 10. | 22. | 40. | 61. | 87. | 133. | 176. | 201. | 201. | | | | |
| | 002 | F01 | 10 | 9. | 9. | 38. | 42. | 52. | 156. | 237. | 237. | 237. | | | | |
| 142 Deer Lodge Co | 001 | F02 | 2 | 4. | 4. | 4. | 4. | 5. | 5. | 5. | 5. | 5. | | | | |
| | 021 | F02 | 38 | 6. | 28. | 35. | 42. | 63. | 100. | 145. | 235. | 235. | | | | |
| | 022 | F02 | 7 | 15. | 15. | 25. | 27. | 42. | 93. | 93. | 93. | 93. | | | | |
| 142 Helena | 001 | A01 | 21 | 27. | 31. | 48. | 56. | 64. | 88. | 90. | 94. | 94. | | | | |
| 142 Jefferson Co | 004 | F02 | 38 | 8. | 15. | 31. | 47. | 67. | 109. | 118. | 139. | 139. | | | | |
| 142 Powell Co | 005 | F02 | 85 | 4. | 15. | 38. | 58. | 84. | 139. | 165. | 328. | 328. | | | | |
| 142 Silver Bow Co | 007 | F01 | 61 | 18. | 27. | 42. | 58. | 70. | 99. | 134. | 219. | 219. | 63. | 36.20 | 55.58 | 1.67 |
| 144 Columbia Falls | 003 | F01 | 57 | 12. | 41. | 119. | 197. | 255. | 364. | 441. | 474. | 474. | | | | |
| 144 Kalispell | 002 | F02 | 48 | 9. | 33. | 51. | 95. | 152. | 205. | 235. | 263. | 263. | | | | |
| 144 Missoula | 002 | G01 | 146 | 11. | 21. | 32. | 44. | 58. | 94. | 110. | 134. | 138. | | | | |
| 144 Missoula Co | 001 | G01 | 182 | 22. | 34. | 56. | 84. | 104. | 157. | 178. | 234. | 270. | | | | |
| | 008 | G01 | 110 | 6. | 11. | 22. | 36. | 44. | 57. | 61. | 74. | 92. | | | | |
| | 009 | G01 | 151 | 5. | 12. | 22. | 41. | 56. | 84. | 105. | 141. | 143. | | | | |
| **NEBRASKA** | | | | | | | | | | | | | | | | |
| 085 Bellevue | 002 | F01 | 26 | 43. | 46. | 61. | 77. | 89. | 118. | 158. | 194. | 194. | 83. | 34.88 | 77.54 | 1.46 |
| 085 Omaha | 001 | A01 | 25 | 52. | 63. | 103. | 117. | 126. | 166. | 217. | 219. | 219. | 119. | 41.53 | 112.44 | 1.42 |
| | 011 | F01 | 30 | 29. | 76. | 135. | 179. | 241. | 290. | 314. | 326. | 326. | | | | |
| | 015 | F01 | 29 | 38. | 44. | 69. | 88. | 112. | 153. | 155. | 168. | 168. | | | | |
| | 015 | G01 | 6 | 25. | 25. | 32. | 44. | 59. | 67. | 67. | 67. | 67. | | | | |
| | 017 | F01 | 30 | 46. | 101. | 125. | 140. | 151. | 193. | 215. | 263. | 263. | | | | |
| | 018 | F01 | 30 | 41. | 59. | 76. | 84. | 100. | 109. | 123. | 135. | 135. | | | | |
| | 019 | F01 | 30 | 42. | 48. | 65. | 74. | 83. | 111. | 121. | 127. | 127. | | | | |
| | 020 | G01 | 30 | 47. | 60. | 77. | 92. | 100. | 147. | 162. | 228. | 228. | | | | |
| | 021 | F01 | 30 | 23. | 40. | 50. | 62. | 75. | 83. | 93. | 104. | 104. | | | | |
| | 022 | G01 | 24 | 32. | 47. | 55. | 65. | 73. | 84. | 90. | 98. | 98. | | | | |
| | 023 | F01 | 30 | 34. | 44. | 57. | 66. | 73. | 86. | 93. | 95. | 95. | | | | |
| 085 Papillion | 001 | F01 | 30 | 41. | 66. | 91. | 109. | 130. | 155. | 173. | 180. | 180. | | | | |
| 086 South Sioux City | 001 | F01 | 35 | 26. | 53. | 86. | 103. | 119. | 153. | 155. | 162. | 162. | 101. | 34.49 | 93.59 | 1.52 |
| 145 Beatrice | 001 | F01 | 26 | 33. | 36. | 54. | 68. | 99. | 144. | 148 | 151. | 151. | 81. | 37.13 | 73.44 | 1.60 |
| 145 Fairbury | 001 | F01 | 17 | 28. | 35. | 43. | 84. | 90. | 95. | 117. | 117. | 117. | | | | |
| 145 Lincoln | 002 | A01 | 26 | 3. | 34. | 50. | 62. | 78. | 95. | 105. | 134 | 134. | 65. | 26.89 | 56.15 | 2.01 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NEBRASKA — Cont.** | | | | | | | | | | | | | | | | |
| 146 Cass Co | 001 | F01 | 26 | 37. | 38. | 81. | 109. | 144. | 172. | 228. | 259. | 259. | 114. | 58.94 | 98.60 | 1.78 |
| 146 Chadron | 001 | F01 | 26 | 14. | 20. | 60. | 73. | 98. | 161. | 182. | 182. | 182. | 84. | 45.93 | 69.90 | 1.95 |
| 146 Grand Island | 001 | F01 | 37 | 25. | 38. | 68. | 78. | 89. | 115. | 123. | 223. | 223. | 80. | 35.64 | 72.68 | 1.57 |
| 146 Lexington | 001 | F01 | 25 | 17. | 27. | 48. | 62. | 90. | 101. | 117. | 168. | 168. | 70. | 35.11 | 60.86 | 1.76 |
| 146 Mc Cook | 001 | F01 | 26 | 25. | 44. | 58. | 68. | 110. | 141. | 143. | 191. | 191. | 84. | 39.97 | 75.23 | 1.61 |
| 146 Norfolk | 001 | F01 | 24 | 24. | 45. | 56. | 68. | 101. | 118. | 162. | 260. | 260. | 85. | 49.96 | 73.60 | 1.72 |
| 146 North Platte | 001 | F01 | 24 | 19. | 27. | 36. | 58. | 87. | 110. | 119. | 152. | 152. | 66. | 35.97 | 56.81 | 1.80 |
| 146 Scottsbluff | 001 | F01 | 26 | 28. | 43. | 71. | 89. | 106. | 154. | 198. | 215. | 215. | 95. | 44.07 | 85.72 | 1.61 |
| 146 Thomas Co | 001 | A03 | 18 | 2. | 8. | 10. | 13. | 22. | 48. | 61. | 61. | 61. | | | | |
| **NEVADA** | | | | | | | | | | | | | | | | |
| 013 Las Vegas | 001 | A01 | 21 | 42. | 64. | 94. | 105. | 124. | 144. | 160. | 285. | 285. | | | | |
| 147 White Pine Co | 001 | A03 | 23 | 4. | 6. | 8. | 14. | 22. | 27. | 28. | 29. | 29. | | | | |
| 148 Reno | 001 | A01 | 23 | 20. | 53. | 79. | 88. | 124. | 175. | 181. | 357. | 357. | | | | |
| **NEW HAMPSHIRE** | | | | | | | | | | | | | | | | |
| 107 Berlin | 001 | F01 | 24 | 23. | 41. | 76. | 103. | 114. | 157. | 258. | 266. | 266. | | | | |
| | 002 | F01 | 26 | 16. | 30. | 40. | 66. | 84. | 160. | 162. | 189. | 189. | | | | |
| | 003 | F01 | 17 | 27. | 30. | 37. | 82. | 89. | 165. | 309. | 309. | 309. | | | | |
| 107 Coos Co | 001 | A03 | 23 | 8. | 10. | 13. | 19. | 27. | 33. | 41. | 57. | 57. | 21. | 11.43 | 18.82 | 1.65 |
| 107 Dover | 001 | F01 | 45 | 12. | 18. | 34. | 42. | 50. | 61. | 64. | 75. | 75. | 42. | 14.54 | 38.57 | 1.52 |
| 107 Northumberland | 001 | F01 | 42 | 5. | 17. | 30. | 42. | 66. | 133. | 154. | 185. | 185. | 59. | 47.26 | 42.99 | 2.37 |
| | 002 | F01 | 46 | 12. | 17. | 28. | 35. | 50. | 68. | 89. | 164. | 164. | 44. | 29.57 | 37.47 | 1.77 |
| 121 Belknap Co | 001 | A03 | 98 | 1. | 11. | 19. | 28. | 45. | 84. | 102. | 182. | 182. | 39. | 31.62 | 28.18 | 2.38 |
| 121 Belmont | 001 | F01 | 75 | 7. | 13. | 22. | 28. | 38. | 56. | 67. | 98. | 98. | 33. | 17.15 | 28.45 | 1.70 |
| 121 Concord | 001 | A01 | 25 | 3. | 18. | 33. | 49. | 61. | 63. | 75. | 82. | 82. | 44. | 20.39 | 37.52 | 2.03 |
| | 002 | F01 | 2 | 25. | 25. | 25. | 25. | 34. | 34. | 34. | 34. | 34. | | | | |
| 121 Hillsborough | 001 | F01 | 27 | 2. | 7. | 16. | 21. | 30. | 52. | 52. | 56. | 56. | | | | |
| 121 Keene | 001 | F01 | 92 | 10. | 32. | 48. | 57. | 76. | 116. | 128. | 204. | 204. | 66. | 32.67 | 58.55 | 1.66 |
| 121 Manchester | 004 | F01 | 45 | 29. | 39. | 54. | 71. | 93. | 137. | 181. | 200. | 200. | 81. | 43.05 | 71.98 | 1.64 |
| 121 Merrimack Co | 005 | F01 | 28 | 10. | 14. | 19. | 23. | 31. | 47. | 47. | 50. | 50. | | | | |
| 121 Nashua | 006 | F01 | 27 | 20. | 24. | 33. | 37. | 43. | 47. | 48. | 55. | 55. | 37. | 9.07 | 35.45 | 1.31 |
| | 007 | F01 | 73 | 24. | 38. | 44. | 52. | 62. | 96. | 108. | 143. | 143. | 59. | 23.62 | 54.45 | 1.46 |
| 121 Newport | 001 | F01 | 14 | 20. | 38. | 62. | 63. | 74. | 81. | 88. | 88. | 88. | | | | |
| 121 Pembroke | 001 | F01 | 47 | 11. | 21. | 33. | 44. | 58. | 77. | 127. | 333. | 333. | 54. | 50.55 | 43.21 | 1.89 |
| 121 Portsmouth | 005 | F01 | 45 | 20. | 27. | 43. | 54. | 68. | 81. | 113. | 545. | 545. | 66. | 76.26 | 53.77 | 1.72 |
| 121 Rochester | 002 | F01 | 46 | 26. | 32. | 39. | 48. | 63. | 79 | 82. | 120. | 120. | | | | |
| 121 Tilton | 001 | F01 | 41 | 6. | 15. | 21. | 32. | 40. | 52. | 58. | 74. | 74. | | | | |
| 149 Conway | 001 | F01 | 29 | 10. | 17. | 27. | 37. | 46. | 78. | 140. | 155. | 155. | | | | |
| 149 Grafton Co | 006 | F01 | 19 | 8. | 11. | 24. | 31. | 46. | 73. | 76. | 76. | 76. | | | | |
| **NEW JERSEY** | | | | | | | | | | | | | | | | |
| 043 Asbury Park | 002 | F01 | 45 | 42. | 48. | 64. | 74. | 90. | 126. | 134. | 195. | 195. | 80. | 30.54 | 75.12 | 1.41 |
| 043 Bayonne | 004 | F01 | 46 | 25. | 52. | 73. | 93. | 118. | 148. | 164. | 239. | 239. | 99. | 42.16 | 90.34 | 1.56 |
| 043 Bloomfield | 002 | F01 | 11 | 31. | 46. | 52. | 61. | 73. | 85. | 92. | 92. | 92. | | | | |
| 043 Bound Brook | 001 | F01 | 56 | 32. | 45. | 62. | 74. | 97. | 129. | 144. | 179. | 179. | 82. | 33.57 | 75.48 | 1.50 |
| 043 Carteret | 001 | F01 | 44 | 39. | 47. | 67. | 75. | 103. | 126. | 145. | 181. | 181. | 84. | 33.79 | 77.97 | 1.48 |
| 043 Dover | 001 | F01 | 17 | 18. | 28. | 49. | 59. | 71. | 87. | 113. | 113. | 113. | | | | |
| 043 East Orange | 002 | F01 | 43 | 54. | 61. | 72. | 100. | 136. | 169. | 180. | 234. | 234. | | | | |
| 043 Elizabeth | 002 | A01 | 24 | 40. | 53. | 67. | 82. | 104. | 154. | 183. | 189. | 189. | 95. | 40.96 | 87.10 | 1.52 |
| 043 Essex Co | 001 | F01 | 55 | 20. | 25. | 37. | 45. | 56. | 75. | 82. | 123. | 123. | 48. | 19.93 | 44.76 | 1.50 |
| 043 Fairview | 001 | F01 | 58 | 43. | 68. | 94. | 115. | 145. | 194. | 211. | 275. | 275. | 123. | 47.58 | 113.72 | 1.49 |
| 043 Fort Lee | 001 | F01 | 55 | 26. | 52. | 74. | 90. | 107. | 175. | 198. | 329. | 329. | 103. | 53.48 | 91.46 | 1.62 |
| 043 Hackensack | 002 | F01 | 13 | 110. | 151. | 214. | 229. | 328. | 339. | 389. | 389. | 389. | | | | |
| 043 Hoboken | 001 | F01 | 5 | 83. | 83. | 90. | 101. | 183. | 212. | 212. | 212. | 212. | | | | |
| 043 Irvington | 001 | F01 | 45 | 27. | 39. | 55. | 66. | 72. | 104. | 117. | 144. | 144. | 69. | 25.78 | 64.71 | 1.45 |
| 043 Jersey City | 001 | A01 | 23 | 53. | 59. | 81. | 102. | 119. | 150. | 169. | 227. | 227. | 106. | 39.90 | 100.13 | 1.43 |
| | 003 | F01 | 56 | 48. | 75. | 93. | 117. | 139. | 194. | 304. | 372. | 372. | 128. | 60.92 | 117.90 | 1.49 |
| | 004 | F01 | 60 | 35. | 64. | 84. | 98. | 123. | 152. | 160. | 196. | 196. | 104. | 34.90 | 98.15 | 1.43 |
| 043 Linden | 001 | F01 | 46 | 31. | 54. | 75. | 85. | 105. | 133. | 158. | 171. | 171. | 93. | 32.10 | 86.93 | 1.45 |
| 043 Middlesex Co | 001 | F01 | 3 | 44. | 44. | 44. | 54. | 58. | 58. | 58. | 58. | 58. | | | | |
| | 004 | F01 | 56 | 1. | 40. | 60. | 72. | 92. | 126. | 141. | 159. | 159. | 79. | 34.52 | 68.00 | 2.20 |
| 043 Monmouth Co | 001 | F01 | 51 | 17. | 28. | 34. | 42. | 46. | 88. | 107. | 123. | 123. | 46. | 24.39 | 41.60 | 1.55 |
| 043 Morristown | 002 | F01 | 50 | 20. | 34. | 46. | 59. | 69. | 95. | 101. | 128. | 128. | | | | |
| 043 Newark | 001 | A01 | 24 | 33. | 56. | 74. | 90. | 111. | 137. | 141. | 186. | 186. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NEW JERSEY — Cont.** | | | | | | | | | | | | | | | | |
| | 003 | F01 | 49 | 66. | 91. | 117. | 146. | 180. | 230. | 317. | 387. | 387. | 160. | 68.79 | 147.71 | 1.49 |
| 043 New Brunswick | 001 | F01 | 52 | 14. | 24. | 35. | 41. | 50. | 65. | 75. | 96. | 96. | 44. | 16.97 | 40.85 | 1.49 |
| 043 Orange | 001 | F01 | 52 | 28. | 49. | 63. | 69. | 80. | 105. | 138. | 161. | 161. | 75. | 26.84 | 71.03 | 1.41 |
| 043 Passaic | 001 | F01 | 10 | 28. | 28. | 45. | 55. | 64. | 69. | 88. | 88. | 88. | | | | |
| 043 Paterson | 001 | A01 | 15 | 35. | 49. | 75. | 84. | 87. | 125. | 147. | 147. | 147. | | | | |
| | 001 | F01 | 26 | 39. | 47. | 59. | 66. | 75. | 108. | 114. | 120. | 120. | | | | |
| 043 Perth Amboy | 001 | A01 | 25 | 21. | 53. | 81. | 93. | 113. | 147. | 152. | 185. | 185. | 97. | 37.60 | 88.40 | 1.61 |
| | 002 | F01 | 52 | 27. | 38. | 58. | 74. | 88. | 118. | 153. | 188. | 188. | 77. | 33.49 | 70.34 | 1.55 |
| 043 Rahway | 001 | F01 | 43 | 30. | 44. | 57. | 65. | 84. | 126. | 129. | 140. | 140. | | | | |
| 043 Roselle | 001 | F01 | 57 | 43. | 55. | 72. | 88. | 100. | 133. | 159. | 193. | 193. | 91. | 31.16 | 85.95 | 1.39 |
| 043 Sayreville | 001 | F01 | 42 | 23. | 48. | 57. | 74. | 87. | 110. | 153. | 391. | 391. | | | | |
| 043 Somerville | 002 | F01 | 37 | 23. | 31. | 45. | 54. | 65. | 87. | 103. | 104. | 104. | | | | |
| 043 South Amboy | 001 | F01 | 51 | 25. | 53. | 60. | 67. | 84. | 112. | 146. | 208. | 208. | 79. | 34.17 | 72.92 | 1.46 |
| 043 Union City | 001 | F01 | 57 | 42. | 72. | 86. | 103. | 122. | 156. | 166. | 200. | 200. | 106. | 33.21 | 101.30 | 1.38 |
| 043 Westwood | 001 | F01 | 59 | 26. | 37. | 51. | 62. | 78. | 103. | 130. | 158. | 158. | 67. | 27.37 | 62.42 | 1.49 |
| 045 Camden | 001 | A01 | 14 | 75. | 89. | 108. | 113. | 144. | 169. | 195. | 195. | 195. | | | | |
| 045 Camden Co | 002 | A01 | 26 | 19. | 36. | 60. | 75. | 90. | 123. | 169. | 189. | 189. | 80. | 39.34 | 71.35 | 1.67 |
| | 004 | F01 | 47 | 19. | 25. | 35. | 41. | 50. | 75. | 86. | 104. | 104. | 45. | 19.32 | 41.95 | 1.48 |
| 045 Glassboro | 001 | A01 | 19 | 25. | 32. | 50. | 56. | 63. | 97. | 105. | 105. | 105. | | | | |
| 045 Hamilton | 001 | A01 | 12 | 17. | 53. | 64. | 71. | 137. | 139. | 141. | 141. | 141. | | | | |
| 045 Trenton | 001 | A01 | 52 | 5. | 35. | 56. | 77. | 93. | 120. | 123. | 130. | 130. | 76. | 31.99 | 66.75 | 1.82 |
| | 001 | F01 | 46 | 31. | 44. | 59. | 74. | 88. | 108. | 125. | 149. | 149. | 76. | 27.17 | 71.56 | 1.45 |
| 150 Atlantic City | 001 | F01 | 28 | 27. | 43. | 58. | 67. | 77. | 110. | 116. | 138. | 138. | | | | |
| 150 Toms River | 002 | F01 | 35 | 22. | 31. | 40. | 45. | 60. | 74. | 91. | 95. | 95. | | | | |
| 151 Phillipsburg | 001 | F01 | 32 | 39. | 56. | 72. | 86. | 106. | 128. | 153. | 162. | 162. | | | | |
| **NEW MEXICO** | | | | | | | | | | | | | | | | |
| 014 Aztec | 001 | F01 | 34 | 28. | 32. | 46. | 53. | 66. | 84. | 88. | 94. | 94. | | | | |
| 014 Farmington | 001 | F01 | 44 | 11. | 54. | 77. | 82. | 104. | 137. | 170. | 240. | 240. | 93. | 41.62 | 83.84 | 1.68 |
| 014 Gallup | 001 | F01 | 31 | 9. | 41. | 90. | 117. | 192. | 219. | 282. | 422. | 422. | | | | |
| 014 San Juan Co | 002 | F01 | 18 | 18. | 26. | 41. | 47. | 54. | 74. | 88. | 88. | 88. | | | | |
| | 004 | F01 | 38 | 9. | 26. | 45. | 57. | 74. | 92. | 114. | 118. | 118. | | | | |
| | 005 | F01 | 32 | 8. | 19. | 34. | 48. | 67. | 78. | 84. | 90. | 90. | | | | |
| 152 Albuquerque | 001 | A01 | 23 | 51. | 62. | 81. | 90. | 107. | 158. | 174. | 212. | 212. | 102. | 40.68 | 95.51 | 1.44 |
| | 001 | H01 | 26 | 27. | 44. | 76. | 91. | 120. | 178. | 211. | 230. | 230. | 103. | 50.50 | 91.47 | 1.67 |
| | 003 | H01 | 49 | 46. | 63. | 88. | 126. | 152. | 174. | 219. | 264. | 264. | 126. | 48.97 | 116.56 | 1.50 |
| | 004 | H01 | 48 | 36. | 44. | 57. | 75. | 96. | 147. | 165. | 836. | 836. | 98. | 114.94 | 78.54 | 1.74 |
| | 005 | H01 | 49 | 27. | 57. | 87. | 117. | 142. | 192. | 203. | 242. | 242. | 119. | 49.97 | 108.05 | 1.60 |
| | 006 | H01 | 46 | 16. | 23. | 42. | 58. | 63. | 89. | 112. | 141. | 141. | 57. | 26.17 | 51.57 | 1.62 |
| | 007 | H02 | 23 | 23. | 25. | 34. | 42. | 60. | 87. | 101. | 395. | 395. | | | | |
| | 008 | H02 | 23 | 9. | 13. | 63. | 74. | 97. | 127. | 142. | 143. | 143. | | | | |
| 152 Bernalillo Co | 001 | H01 | 40 | 21. | 44. | 70. | 82. | 105. | 149. | 179. | 259. | 259. | | | | |
| | 002 | H01 | 49 | 11. | 33. | 57. | 89. | 111. | 138. | 151. | 238. | 238. | 88. | 43.23 | 76.87 | 1.78 |
| | 011 | H01 | 43 | 38. | 65. | 93. | 116. | 135. | 167. | 175. | 212. | 212. | 116. | 39.89 | 109.02 | 1.45 |
| | 021 | H01 | 13 | 30. | 31. | 47. | 60. | 65. | 73. | 109. | 109. | 109. | | | | |
| | 031 | H01 | 46 | 4. | 9. | 14. | 22. | 34. | 60. | 78. | 129. | 129. | 30. | 26.90 | 22.04 | 2.17 |
| 153 Alamogordo | 001 | F01 | 29 | 32. | 43. | 60. | 73. | 87. | 110. | 110. | 162. | 162. | | | | |
| 153 Dona Ana Co | 001 | F01 | 24 | 26. | 60. | 94. | 106. | 151. | 171. | 172. | 173. | 173. | | | | |
| | 003 | F01 | 22 | 9. | 43. | 77. | 100. | 133. | 157. | 170. | 190. | 190. | | | | |
| 153 Las Cruces | 001 | F01 | 57 | 48. | 66. | 110. | 132. | 159. | 265. | 339. | 502. | 502. | 154. | 92.81 | 133.58 | 1.68 |
| 154 Las Vegas City | 001 | F01 | 11 | 31. | 31. | 44. | 50. | 81. | 92. | 116. | 116. | 116. | | | | |
| 154 Raton | 001 | F01 | 18 | 18. | 26. | 41. | 47. | 64. | 89. | 183. | 183. | 183. | | | | |
| 155 Carlsbad | 001 | F01 | 22 | 42. | 43. | 60. | 71. | 87. | 96. | 100. | 105. | 105. | | | | |
| 155 Clovis | 001 | F01 | 28 | 46. | 54. | 66. | 89. | 114. | 155. | 161. | 188. | 188. | | | | |
| 155 Roswell | 001 | F01 | 10 | 37. | 37. | 75. | 91. | 110. | 140. | 211. | 211. | 211. | | | | |
| 157 Espanola | 001 | F01 | 8 | 24. | 24. | 38. | 41. | 92. | 100. | 100. | 100. | 100. | | | | |
| 157 Los Alamos | 001 | F01 | 61 | 5. | 11. | 18. | 22. | 24. | 36. | 41. | 46. | 46. | 22. | 9.32 | 20.16 | 1.60 |
| 157 Los Alamos Co | 001 | F01 | 42 | 8. | 14. | 20. | 25. | 33. | 45. | 48. | 119. | 119. | | | | |
| 157 Rio Arriba Co | 001 | A03 | 13 | 3. | 7. | 16. | 22. | 25. | 36. | 93. | 93. | 93. | | | | |
| 157 Santa Fe | 001 | F01 | 29 | 13. | 20. | 27. | 36. | 45. | 72. | 75. | 104. | 104. | | | | |
| | 002 | F01 | 36 | 2. | 20. | 32. | 39. | 59. | 75. | 83. | 105. | 105. | 46. | 21.58 | 39.29 | 1.96 |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 043 Babylon | 001 | F01 | 57 | 23. | 39. | 52. | 63. | 79. | 101. | 136. | 312. | 312. | 70. | 40.76 | 63.36 | 1.54 |
| 043 Dobbs Ferry | 001 | F01 | 30 | 23. | 28. | 49. | 65. | 75. | 98. | 117. | 126. | 126. | | | | |
| 043 Freeport | 002 | F01 | 58 | 31. | 48. | 59. | 73. | 89. | 114. | 152. | 233. | 233. | 79. | 35.01 | 72.67 | 1.51 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NEW YORK—Cont.** | | | | | | | | | | | | | | | | |
| 043 Garden City | 001 | F01 | 57 | 17. | 39. | 54. | 72. | 90. | 110. | 129. | 143. | 143. | 74. | 28.64 | 68.13 | 1.55 |
| 043 Glen Cove | 001 | F01 | 60 | 23. | 47. | 70. | 84. | 115. | 136. | 153. | 201. | 201. | 94. | 38.07 | 85.91 | 1.55 |
| 043 Hempstead | 001 | F01 | 59 | 34. | 55. | 71. | 88. | 117. | 229. | 282. | 2704. | 2704. | 167. | 384.23 | 100.32 | 2.04 |
| | 003 | F01 | 60 | 33. | 44. | 66. | 82. | 100. | 141. | 164. | 208. | 208. | 90. | 39.88 | 82.55 | 1.54 |
| | 004 | F01 | 60 | 27. | 40. | 61. | 72. | 92. | 113. | 129. | 183. | 183. | 78. | 29.23 | 72.52 | 1.47 |
| | 005 | F01 | 56 | 20. | 41. | 59. | 76. | 105. | 136. | 152. | 170. | 170. | 84. | 36.16 | 75.57 | 1.61 |
| 043 Kings Point | 001 | F01 | 60 | 22. | 30. | 58. | 70. | 83. | 118. | 132. | 166. | 166. | 74. | 32.35 | 66.46 | 1.61 |
| 043 Mamaroneck | 001 | F01 | 53 | 19. | 32. | 53. | 64. | 75. | 109. | 126. | 194. | 194. | 69. | 32.23 | 62.71 | 1.56 |
| | 002 | F01 | 18 | 17. | 36. | 45. | 50. | 61. | 100. | 131. | 131. | 131. | | | | |
| 043 Mount Vernon | 001 | F01 | 52 | 36. | 47. | 59. | 70. | 83. | 103. | 120. | 182. | 182. | 74. | 25.83 | 70.66 | 1.38 |
| 043 Nassau Co | 001 | F01 | 61 | 20. | 37. | 49. | 60. | 77. | 99. | 117. | 205. | 205. | 68. | 32.60 | 61.02 | 1.58 |
| | 002 | F01 | 60 | 29. | 42. | 62. | 85. | 112. | 215. | 224. | 328. | 328. | 105. | 62.88 | 89.72 | 1.73 |
| | 005 | F01 | 60 | 17. | 32. | 44. | 54. | 66. | 92. | 108. | 121. | 121. | 58. | 24.65 | 53.10 | 1.54 |
| | 006 | F01 | 59 | 26. | 40. | 59. | 69. | 85. | 110. | 122. | 216. | 216. | 74. | 30.46 | 68.80 | 1.46 |
| 043 New Rochelle | 002 | F01 | 42 | 39. | 57. | 65. | 77. | 96. | 119. | 131. | 140. | 140. | 82. | 24.80 | 78.15 | 1.35 |
| 043 New York City | 001 | A01 | 19 | 55. | 57. | 92. | 113. | 124. | 172. | 186. | 186. | 186. | | | | |
| | 002 | H01 | 149 | 45. | 69. | 92. | 105. | 130. | 164. | 191. | 235. | 250. | 115. | 39.99 | 108.10 | 1.41 |
| | 003 | H01 | 133 | 45. | 76. | 102. | 115. | 153. | 194. | 225. | 241. | 308. | 128. | 46.96 | 120.43 | 1.44 |
| | 004 | H01 | 148 | 31. | 49. | 68. | 82. | 103. | 146. | 163. | 210. | 238. | 91. | 37.54 | 83.68 | 1.49 |
| | 005 | H01 | 140 | 35. | 66. | 88. | 110. | 130. | 170. | 194. | 232. | 316. | 116. | 44.38 | 107.85 | 1.45 |
| | 006 | H01 | 153 | 29. | 47. | 73. | 96. | 118. | 160. | 182. | 214. | 219. | 101. | 43.29 | 91.41 | 1.57 |
| | 007 | H01 | 158 | 25. | 51. | 65. | 76. | 94. | 130. | 151. | 178. | 185. | 84. | 31.73 | 78.42 | 1.46 |
| | 008 | H01 | 126 | 36. | 47. | 64. | 85. | 113. | 151. | 171. | 184. | 211. | 94. | 39.53 | 86.14 | 1.53 |
| | 009 | H01 | 106 | 18. | 41. | 56. | 70. | 95. | 129. | 148. | 169. | 192. | | | | |
| | 010 | H01 | 171 | 55. | 74. | 92. | 109. | 129. | 163. | 174. | 207. | 217. | 114. | 32.98 | 109.01 | 1.33 |
| | 011 | H01 | 169 | 54. | 82. | 97. | 115. | 135. | 187. | 199. | 232. | 343. | 123. | 41.47 | 117.49 | 1.36 |
| | 015 | H01 | 114 | 25. | 45. | 59. | 77. | 93. | 128. | 147. | 202. | 244. | 81. | 36.04 | 74.37 | 1.53 |
| | 016 | H01 | 117 | 15. | 50. | 65. | 80. | 95. | 128. | 138. | 153. | 170. | | | | |
| | 017 | H01 | 114 | 52. | 82. | 106. | 124. | 153. | 196. | 249. | 334. | 389. | 138. | 57.28 | 128.43 | 1.44 |
| | 018 | H01 | 97 | 57. | 90. | 110. | 134. | 178. | 239. | 253. | 321. | 321. | 151. | 54.92 | 141.76 | 1.44 |
| | 019 | H01 | 136 | 42. | 66. | 80. | 98. | 123. | 161. | 181. | 241. | 305. | 107. | 40.68 | 100.64 | 1.43 |
| | 020 | H01 | 149 | 39. | 64. | 80. | 99. | 119. | 158. | 174. | 206. | 325. | 105. | 39.44 | 98.38 | 1.42 |
| | 021 | H01 | 135 | 39. | 64. | 79. | 94. | 117. | 151. | 174. | 192. | 215. | 101. | 35.04 | 95.70 | 1.41 |
| | 022 | H01 | 140 | 53. | 83. | 102. | 118. | 143. | 186. | 214. | 228. | 259. | 127. | 40.49 | 121.09 | 1.37 |
| | 025 | H01 | 141 | 45. | 65. | 82. | 100. | 117. | 149. | 163. | 195. | 219. | 103. | 32.75 | 98.49 | 1.36 |
| | 029 | H01 | 136 | 27. | 52. | 69. | 82. | 100. | 134. | 157. | 172. | 290. | | | | |
| | 039 | H01 | 128 | 30. | 50. | 67. | 87. | 116. | 163. | 184. | 208. | 210. | 97. | 44.39 | 87.77 | 1.59 |
| | 040 | H01 | 149 | 32. | 63. | 92. | 129. | 156. | 231. | 310. | 475. | 579. | 141. | 81.64 | 122.95 | 1.68 |
| | 041 | H01 | 141 | 29. | 66. | 86. | 108. | 133. | 168. | 185. | 217. | 302. | 113. | 42.52 | 104.90 | 1.48 |
| | 042 | H01 | 119 | 39. | 71. | 92. | 114. | 136. | 183. | 194. | 230. | 299. | 119. | 42.98 | 111.78 | 1.43 |
| | 043 | H01 | 17 | 31. | 74. | 105. | 111. | 124. | 162. | 191. | 191. | 191. | | | | |
| | 044 | H01 | 129 | 26. | 44. | 63. | 77. | 105. | 136. | 153. | 172. | 210. | 84. | 35.24 | 77.41 | 1.53 |
| | 045 | H01 | 105 | 22. | 58. | 74. | 88. | 109. | 143. | 153. | 160. | 172. | | | | |
| | 046 | H01 | 143 | 45. | 54. | 66. | 79. | 99. | 132. | 155. | 189. | 195. | 89. | 32.67 | 83.32 | 1.41 |
| | 047 | H01 | 119 | 32. | 58. | 76. | 90. | 105. | 138. | 159. | 198. | 206. | 94. | 33.80 | 88.35 | 1.44 |
| | 050 | F01 | 55 | 37. | 52. | 71. | 85. | 98. | 133. | 148. | 168. | 168. | 88. | 28.96 | 83.31 | 1.40 |
| | 057 | F01 | 57 | 31. | 61. | 76. | 87. | 110. | 136. | 167. | 174. | 174. | 95. | 30.67 | 90.03 | 1.39 |
| 043 North Tarrytown | 001 | F01 | 59 | 18. | 34. | 42. | 56. | 76. | 94. | 110. | 172. | 172. | 61. | 27.43 | 55.59 | 1.55 |
| 043 Ossining | 001 | F01 | 53 | 18. | 26. | 41. | 52. | 64. | 84. | 97. | 118. | 118. | 54. | 21.97 | 50.05 | 1.52 |
| 043 Peekskill | 001 | F01 | 59 | 25. | 31. | 55. | 71. | 106. | 149. | 163. | 255. | 255. | 83. | 45.26 | 72.59 | 1.70 |
| 043 Port Chester | 001 | F01 | 61 | 24. | 37. | 54. | 68. | 80. | 113. | 124. | 192. | 192. | 73. | 34.17 | 66.85 | 1.55 |
| 043 Rockland Co | 001 | F01 | 51 | 19. | 26. | 45. | 55. | 63. | 90. | 94. | 142. | 142. | 57. | 23.61 | 51.95 | 1.53 |
| 043 Rockville Centre | 001 | F01 | 60 | 38. | 57. | 76. | 92. | 111. | 135. | 166. | 271. | 271. | 98. | 39.27 | 91.78 | 1.45 |
| 043 Rye | 001 | F01 | 56 | 31. | 46. | 62. | 72. | 82. | 110. | 128. | 203. | 203. | 77. | 29.59 | 72.07 | 1.43 |
| 043 Southampton | 001 | F01 | 61 | 11. | 22. | 29. | 36. | 45. | 57. | 58. | 79. | 79. | 38. | 14.49 | 35.48 | 1.49 |
| 043 Suffern | 001 | F01 | 55 | 16. | 27. | 46. | 60. | 73. | 88. | 103. | 123. | 123. | 59. | 24.11 | 54.21 | 1.57 |
| 043 Suffolk Co | 001 | F01 | 53 | 19. | 30. | 58. | 74. | 96. | 159. | 321. | 358. | 358. | 93. | 74.57 | 74.43 | 1.91 |
| | 002 | F01 | 55 | 20. | 31. | 51. | 66. | 103. | 145. | 205. | 486. | 486. | 92. | 86.87 | 71.90 | 1.93 |
| | 011 | F01 | 60 | 9. | 28. | 47. | 59. | 75. | 94. | 100. | 113. | 113. | 60. | 24.91 | 54.30 | 1.64 |
| | 023 | F01 | 57 | 13. | 23. | 37. | 47. | 56. | 70. | 81. | 105. | 105. | 47. | 18.05 | 43.09 | 1.54 |
| 043 Westchester Co | 003 | F01 | 58 | 13. | 25. | 36. | 40. | 56. | 82. | 93. | 105. | 105. | 47. | 20.80 | 43.15 | 1.55 |
| | 004 | F01 | 61 | 9. | 18. | 29. | 38. | 46. | 66. | 84. | 95. | 95. | 40. | 19.72 | 35.69 | 1.68 |
| | 005 | F01 | 60 | 13. | 21. | 33. | 47. | 61. | 75. | 90. | 114. | 114. | 50. | 24.06 | 44.80 | 1.65 |
| | 006 | F01 | 52 | 32. | 49. | 70. | 82. | 103. | 143. | 178. | 254. | 254. | 91. | 41.50 | 83.39 | 1.55 |
| 043 White Plains | 001 | F01 | 57 | 31. | 51. | 62. | 82. | 105. | 138. | 171. | 240. | 240. | 89. | 39.90 | 80.89 | 1.54 |
| 043 Yonkers | 001 | A01 | 21 | 54. | 61. | 76. | 88. | 107. | 153. | 154. | 171. | 171. | | | | |
| | 001 | F01 | 54 | 21. | 53. | 75. | 96. | 144. | 171. | 197. | 233. | 233. | 111. | 50.10 | 98.97 | 1.64 |
| 158 Auburn | 001 | F01 | 37 | 9. | 23. | 47. | 60. | 70. | 119. | 137. | 182. | 182. | 64. | 35.94 | 54.78 | 1.85 |
| | 002 | F01 | 52 | 12. | 22. | 28. | 37. | 44. | 65. | 66. | 224. | 224. | 43. | 31.22 | 37.05 | 1.64 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NEW YORK—Cont.** | | | | | | | | | | | | | | | | |
| 158 Canastota | 001 | F01 | 59 | 13. | 27. | 37. | 44. | 61. | 92. | 101. | 136. | 136. | 53. | 25.28 | 47.00 | 1.62 |
| 158 Cortland | 001 | F01 | 47 | 23. | 29. | 41. | 53. | 71. | 94 | 107. | 155. | 155. | 61. | 29.73 | 54.62 | 1.59 |
| 158 Cortland Co | 001 | F01 | 59 | 14. | 17. | 25. | 38. | 58. | 73. | 83. | 104. | 104. | 43. | 23.13 | 37.26 | 1.75 |
| 158 De Witt | 001 | F01 | 8 | 31. | 31. | 43. | 45. | 62. | 125. | 125. | 125. | 125. | | | | |
| 158 East Syracuse | 001 | F01 | 57 | 27. | 44. | 77. | 112. | 137. | 204. | 267. | 315. | 315. | 116. | 64.93 | 99.59 | 1.77 |
| | 002 | F01 | 6 | 24. | 24. | 35. | 38. | 49. | 86. | 86. | 86. | 86. | | | | |
| 158 Fulton | 001 | F01 | 48 | 17. | 25. | 32. | 44. | 58. | 81. | 90. | 133. | 133. | 49. | 24.53 | 44.20 | 1.60 |
| 158 Hamilton | 001 | F01 | 59 | 11. | 18. | 25. | 33. | 44. | 67. | 71. | 84. | 84. | 37. | 17.40 | 33.20 | 1.61 |
| 158 Jefferson Co | 001 | A03 | 26 | 6. | 13. | 18. | 20. | 29. | 47. | 48. | 54. | 54. | 25. | 12.10 | 22.05 | 1.65 |
| 158 Oneida | 001 | F01 | 56 | 18. | 27. | 34. | 43. | 62. | 84. | 106. | 151. | 151. | 52. | 26.13 | 46.13 | 1.61 |
| 158 Onondaga Co | 001 | F01 | 58 | 16. | 23. | 30. | 43. | 55. | 93. | 108 | 116. | 116. | 48. | 25.28 | 42.80 | 1.64 |
| | 002 | F01 | 60 | 16. | 33. | 57. | 107. | 177. | 270. | 368. | 550. | 550. | 140. | 111.33 | 101.50 | 2.32 |
| | 003 | F01 | 55 | 20. | 29. | 41. | 52. | 73. | 94. | 128. | 224. | 224. | 63. | 39.12 | 54.20 | 1.69 |
| | 004 | F01 | 57 | 16. | 30. | 50. | 63. | 88. | 128. | 142. | 202. | 202. | 71. | 38.07 | 61.78 | 1.72 |
| | 005 | F01 | 5 | 17. | 17. | 43. | 50. | 73. | 74. | 74. | 74. | 74. | | | | |
| | 006 | F01 | 55 | 17. | 34. | 53. | 71. | 91. | 136. | 153. | 201. | 201. | 78. | 38.05 | 69.62 | 1.65 |
| | 007 | F01 | 58 | 15. | 34. | 44. | 62. | 84. | 120. | 180. | 200. | 200. | 72. | 40.13 | 62.70 | 1.73 |
| | 008 | F01 | 58 | 18. | 39. | 49. | 75. | 95. | 122. | 180. | 218. | 218. | 79. | 40.17 | 69.92 | 1.67 |
| | 009 | F01 | 3 | 35. | 35. | 35. | 70. | 125. | 125. | 125. | 125. | 125. | | | | |
| | 010 | F01 | 48 | 20. | 37. | 69. | 85. | 107. | 170. | 186. | 243. | 243. | 93. | 48.43 | 80.74 | 1.73 |
| | 011 | F01 | 59 | 11. | 20. | 34. | 46. | 61. | 105. | 145. | 173. | 173. | 55. | 35.33 | 45.62 | 1.86 |
| 158 Oswego | 001 | F01 | 46 | 29. | 34. | 45. | 56. | 70. | 107. | 108. | 142. | 142. | 63. | 27.82 | 57.51 | 1.52 |
| | 002 | F01 | 39 | 13. | 20. | 27. | 40. | 54. | 80. | 98. | 167. | 167. | 47. | 29.50 | 40.01 | 1.75 |
| 158 Rome | 001 | F01 | 55 | 15. | 32. | 46. | 67. | 79. | 129. | 157. | 177. | 177. | 70. | 37.76 | 60.70 | 1.71 |
| 158 Solvay | 001 | F01 | 58 | 17. | 32. | 41. | 61. | 70. | 123. | 157 | 170. | 170. | 65. | 35.17 | 57.14 | 1.64 |
| 158 Syracuse | 001 | A01 | 26 | 23. | 57. | 81. | 100. | 141. | 177. | 211. | 256. | 256. | 112. | 52.70 | 100.07 | 1.67 |
| | 001 | F01 | 60 | 31. | 64. | 90. | 113. | 176. | 223. | 292. | 351. | 351. | 138. | 75.03 | 119.42 | 1.72 |
| | 002 | F01 | 55 | 22. | 34. | 51. | 66. | 80. | 118. | 143. | 154. | 154. | 70. | 31.15 | 63.70 | 1.58 |
| | 003 | F01 | 59 | 34. | 55. | 71. | 97. | 130. | 224. | 266. | 312. | 312. | 115. | 64.44 | 99.93 | 1.68 |
| | 005 | F01 | 57 | 43. | 55. | 73. | 93. | 125. | 196. | 254. | 417. | 417. | 114. | 65.48 | 100.55 | 1.62 |
| | 006 | F01 | 5 | 40. | 40. | 44. | 49. | 58. | 117. | 117. | 117. | 117. | | | | |
| | 007 | F01 | 12 | 23. | 29. | 49. | 64. | 69. | 123. | 154. | 154. | 154. | | | | |
| | 008 | F01 | 51 | 24. | 41. | 53. | 74. | 86. | 123. | 177. | 286. | 286. | 81. | 50.63 | 70.48 | 1.66 |
| | 009 | F01 | 55 | 19. | 40. | 60. | 77. | 90. | 128. | 180. | 208. | 208. | 82. | 41.58 | 73.03 | 1.63 |
| | 010 | F01 | 34 | 48. | 63. | 73. | 79. | 89. | 123. | 163. | 169. | 169. | | | | |
| 158 Utica | 001 | A01 | 26 | 37. | 46. | 62. | 81. | 100. | 139. | 182. | 214. | 214. | 90. | 42.96 | 81.31 | 1.57 |
| | 001 | F01 | 50 | 25. | 41. | 62. | 76. | 100. | 145. | 159. | 387. | 387. | | | | |
| 158 Watertown | 001 | F01 | 39 | 27. | 39. | 46. | 59. | 78. | 104. | 178. | 224. | 224. | | | | |
| 159 Clinton Co | 001 | F01 | 4 | 42. | 42. | 52. | 52. | 69. | 141. | 141. | 141. | 141. | 76. | 44.74 | 67.89 | 1.70 |
| 159 Glens Falls | 001 | F01 | 38 | 28. | 37. | 45. | 55. | 64. | 111. | 143. | 218. | 218. | 64. | 36.38 | 57.26 | 1.56 |
| 159 Lake Placid | 001 | F01 | 23 | 14. | 16. | 20. | 26. | 33. | 49. | 49. | 53. | 53. | | | | |
| 159 Ogdensburg | 001 | F01 | 55 | 19. | 26. | 36. | 45. | 64. | 77. | 96. | 162. | 162. | 52. | 25.82 | 46.58 | 1.57 |
| 159 Plattsburgh | 002 | F01 | 56 | 3. | 24. | 33. | 41. | 56. | 72. | 84. | 112. | 112. | 46. | 20.63 | 40.56 | 1.78 |
| 159 Saranac Lake | 001 | F01 | 55 | 16. | 21. | 29. | 34. | 52. | 78. | 109. | 258. | 258. | 47. | 37.22 | 39.02 | 1.74 |
| 160 Batavia | 001 | F01 | 56 | 29. | 40. | 49. | 65. | 78. | 99. | 117. | 136. | 136. | 67. | 24.65 | 62.36 | 1.45 |
| 160 Brighton | 001 | F01 | 2 | 50. | 50. | 50. | 50. | 56. | 56. | 56. | 56. | 56. | | | | |
| 160 Geneseo | 001 | F01 | 56 | 20. | 26. | 32. | 40. | 52. | 75. | 80. | 121. | 121. | | | | |
| 160 Geneva | 001 | F01 | 55 | 25. | 34. | 46. | 60. | 79. | 105. | 113. | 137. | 137. | 65. | 27.02 | 59.52 | 1.54 |
| 160 Greece | 001 | F01 | 5 | 21. | 21. | 38. | 43. | 73. | 96. | 96. | 96. | 96. | | | | |
| 160 Irondequoit | 001 | F01 | 11 | 22. | 28. | 40. | 53. | 58. | 73. | 83. | 83. | 83. | | | | |
| 160 Monroe Co | 001 | F01 | 56 | 23. | 36. | 44. | 61. | 79. | 100. | 138. | 158. | 158. | 66. | 30.55 | 59.53 | 1.58 |
| | 002 | F01 | 56 | 13. | 23. | 28. | 41. | 51. | 85. | 88. | 155. | 155. | 46. | 25.69 | 40.52 | 1.66 |
| | 003 | F01 | 56 | 19. | 24. | 32. | 37. | 53. | 79. | 93. | 109. | 109. | 46. | 22.26 | 41 55 | 1.57 |
| 160 Rochester | 001 | A01 | 26 | 35. | 40. | 67. | 81. | 104. | 123. | 145. | 211. | 211. | 88. | 36.18 | 81.62 | 1.50 |
| | 001 | F01 | 58 | 24. | 50. | 67. | 88. | 108. | 144. | 151. | 206. | 206. | 92. | 35.18 | 85.11 | 1.49 |
| | 002 | F01 | 57 | 18. | 34. | 54. | 67. | 77. | 103. | 122. | 141. | 141. | 68. | 26.29 | 62.97 | 1.51 |
| | 003 | F01 | 59 | 27. | 46. | 63. | 100. | 121. | 174. | 183. | 237. | 237. | 101. | 46.65 | 90.06 | 1.65 |
| | 004 | F01 | 57 | 23. | 31. | 47. | 60. | 75. | 99. | 120. | 146. | 146. | 63. | 26.85 | 57.95 | 1.54 |
| | 005 | F01 | 58 | 28. | 38. | 46. | 56. | 70. | 96. | 105. | 128. | 128. | 62. | 22.59 | 58.37 | 1.43 |
| 160 Warsaw | 001 | F01 | 53 | 14. | 25. | 31. | 44. | 62. | 107. | 162. | 346. | 346. | 62. | 54.45 | 48.44 | 1.94 |
| 160 Webster | 002 | F01 | 59 | 21. | 25. | 33. | 40. | 57. | 78. | 95. | 111. | 111. | 48. | 22.09 | 43.37 | 1.55 |
| 161 Albany | 001 | A01 | 23 | 25. | 38. | 43. | 68. | 85. | 94. | 108. | 143. | 143. | | | | |
| | 001 | F01 | 54 | 20. | 34. | 52. | 64. | 92. | 112. | 122. | 156. | 156. | 74. | 31.99 | 66.54 | 1.59 |
| | 002 | F01 | 53 | 40. | 65. | 99. | 124. | 160. | 218. | 255. | 276. | 276. | 136. | 58.68 | 123.69 | 1.58 |
| | 003 | F01 | 33 | 24. | 57. | 68. | 102. | 146. | 236. | 346. | 555. | 555. | 133. | 105.29 | 105.38 | 1.98 |
| 161 Amsterdam | 001 | F01 | 50 | 22. | 32. | 68. | 81. | 95. | 120. | 127. | 131. | 131. | 80. | 29.65 | 73.37 | 1.59 |
| 161 Coeymans | 001 | F01 | 43 | 18. | 28. | 45. | 72. | 83. | 100. | 115. | 153. | 153. | | | | |
| 161 Cohoes | 001 | F01 | 34 | 28. | 32. | 55. | 60. | 82. | 124. | 129. | 152. | 152. | 71. | 33.38 | 64.12 | 1.61 |
| 161 Columbia Co | 001 | F01 | 38 | 16. | 19. | 32. | 37. | 53. | 66. | 77. | 154. | 154. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NEW YORK—Cont.** | | | | | | | | | | | | | | | | |
| | 002 | F01 | 38 | 8. | 16. | 24. | 27. | 36. | 52. | 55. | 80. | 80. | | | | |
| 161 Dutchess Co | 001 | F01 | 51 | 12. | 21. | 26. | 35. | 46. | 63. | 89. | 135. | 135. | 41. | 22.54 | 36.03 | 1.65 |
| | 002 | F01 | 53 | 28. | 36. | 48. | 58. | 71. | 87. | 101. | 140. | 140. | 61. | 22.37 | 57.51 | 1.43 |
| 161 Ellenville | 001 | F01 | 42 | 19. | 29. | 44. | 57. | 71. | 88. | 91. | 136. | 136. | 60. | 24.43 | 54.74 | 1.55 |
| 161 Hudson | 001 | F01 | 51 | 19. | 28. | 48. | 64. | 78. | 104. | 138. | 158. | 158. | 66. | 31.15 | 59.61 | 1.62 |
| 161 Johnstown | 001 | F01 | 49 | 1. | 18. | 28. | 40. | 60. | 77. | 79. | 131. | 131. | 46. | 24.79 | 37.69 | 2.11 |
| 161 Kingston | 001 | F01 | 48 | 39. | 42. | 56. | 66. | 78. | 114. | 116. | 401. | 401. | 77. | 52.83 | 68.87 | 1.50 |
| 161 Newburgh | 001 | F01 | 47 | 31. | 45. | 59. | 74. | 99. | 126. | 149. | 281. | 281. | 84. | 43.60 | 76.15 | 1.56 |
| 161 New Paltz | 001 | F01 | 53 | 30. | 39. | 53. | 67. | 88. | 129. | 171. | 199. | 199. | 78. | 38.42 | 70.02 | 1.57 |
| 161 Poughkeepsie | 001 | F01 | 7 | 13. | 13. | 36. | 37. | 40. | 80. | 80. | 80. | 80. | | | | |
| 161 Rensselaer | 001 | F01 | 48 | 23. | 33. | 65. | 72. | 82. | 149. | 161. | 446. | 446. | 89. | 67.00 | 75.24 | 1.76 |
| 161 Rensselaer Co | 001 | F01 | 59 | 33. | 53. | 64. | 77. | 97. | 127. | 152. | 174. | 174. | 85. | 30.38 | 80.09 | 1.43 |
| | 011 | F01 | 41 | 10. | 13. | 22. | 24. | 33. | 40. | 52. | 71. | 71. | | | | |
| | 021 | F01 | 20 | 29. | 30. | 39. | 47. | 61. | 111. | 117. | 299. | 299. | | | | |
| 161 Saugerties | 001 | F01 | 55 | 13. | 37. | 51. | 70. | 95. | 115. | 131. | 178. | 178. | 74. | 33.32 | 66.40 | 1.63 |
| 161 Schenectady | 001 | F01 | 57 | 17. | 34. | 54. | 70. | 87. | 116. | 123. | 138. | 138. | 71. | 29.35 | 63.98 | 1.60 |
| | 002 | F01 | 52 | 20. | 30. | 44. | 66. | 88. | 118. | 165. | 184. | 184. | 72. | 38.30 | 63.02 | 1.71 |
| 161 Schenectady Co | 001 | F01 | 52 | 9. | 18. | 25. | 31. | 40. | 51. | 62. | 75. | 75. | 34. | 13.81 | 31.06 | 1.54 |
| | 011 | F01 | 56 | 5. | 27. | 38. | 47. | 60. | 82. | 85. | 97. | 97. | 50. | 20.03 | 45.34 | 1.63 |
| 161 Schoharie Co | 002 | F01 | 51 | 12. | 26. | 44. | 57. | 70. | 97. | 113. | 129. | 129. | 61. | 28.03 | 54.42 | 1.69 |
| 161 Troy | 002 | F01 | 54 | 17. | 32. | 46. | 53. | 63. | 74. | 83. | 102. | 102. | 54. | 17.43 | 50.52 | 1.45 |
| 161 Ulster Co | 001 | F01 | 52 | 12. | 19. | 28. | 37. | 54. | 80. | 93. | 178. | 178. | 47. | 29.95 | 39.67 | 1.79 |
| | 002 | F01 | 54 | 32. | 55. | 90. | 118. | 173. | 307. | 378. | 781. | 781. | 158. | 128.21 | 125.23 | 1.96 |
| 162 Akron | 001 | F01 | 55 | 5. | 30. | 42. | 60. | 75. | 127. | 135. | 228. | 228. | 67. | 40.26 | 56.42 | 1.85 |
| 162 Amherst | 001 | F01 | 37 | 28. | 38. | 48. | 67. | 84. | 122. | 139. | 140. | 140. | | | | |
| 162 Blasdell | 001 | F01 | 39 | 32. | 39. | 58. | 71. | 88. | 116. | 131. | 150. | 150. | | | | |
| 162 Buffalo | 001 | A01 | 24 | 48. | 55. | 74. | 81. | 96. | 140. | 208. | 495. | 495. | 107. | 89.22 | 91.42 | 1.62 |
| | 001 | F01 | 60 | 33. | 44. | 58. | 69. | 85. | 124. | 140. | 187. | 187. | 79. | 32.66 | 73.05 | 1.48 |
| | 002 | F01 | 59 | 33. | 45. | 62. | 75. | 101. | 129. | 160. | 357. | 357. | 87. | 47.23 | 78.93 | 1.53 |
| | 003 | F01 | 56 | 34. | 78. | 102. | 132. | 188. | 247. | 296. | 385. | 385. | 152. | 72.13 | 136.15 | 1.63 |
| | 005 | F01 | 59 | 32. | 59. | 87. | 123. | 161. | 236. | 276. | 333. | 333. | 134. | 66.48 | 118.64 | 1.68 |
| | 006 | F01 | 22 | 35. | 49. | 63. | 74. | 95. | 141. | 162. | 177. | 177. | | | | |
| | 007 | F01 | 44 | 42. | 52. | 75. | 102. | 119. | 154. | 162. | 222. | 222. | | | | |
| | 008 | F01 | 27 | 33. | 55. | 69. | 84. | 102. | 126. | 150. | 323. | 323. | | | | |
| 162 Cheektowaga | 001 | F01 | 60 | 40. | 51. | 63. | 78. | 92. | 146. | 168. | 304. | 304. | 88. | 43.31 | 80.71 | 1.49 |
| 162 Erie Co | 011 | F01 | 53 | 19. | 26. | 32. | 43. | 51. | 81. | 90. | 386. | 386. | 53. | 51.20 | 44.40 | 1.69 |
| 162 Kenmore | 001 | F01 | 45 | 40. | 49. | 76. | 92. | 105. | 126. | 134. | 202. | 202. | | | | |
| 162 Lackawanna | 001 | F01 | 57 | 35. | 53. | 95. | 151. | 201. | 315. | 345. | 434. | 434. | 168. | 98.94 | 139.28 | 1.92 |
| | 002 | F01 | 60 | 33. | 51. | 76. | 99. | 131. | 204. | 254. | 346. | 346. | 119. | 67.65 | 102.93 | 1.72 |
| | 003 | F01 | 17 | 47. | 47. | 70. | 80. | 94. | 162. | 183. | 183. | 183. | | | | |
| 162 Lancaster | 001 | F01 | 36 | 27. | 30. | 37. | 45. | 57. | 87. | 90. | 95. | 95. | | | | |
| 162 Lewiston | 001 | F01 | 39 | 29. | 33. | 43. | 58. | 78. | 170. | 186. | 253. | 253. | | | | |
| | 002 | F01 | 61 | 20. | 40. | 56. | 86. | 113. | 147. | 174. | 190. | 190. | 89. | 43.84 | 77.61 | 1.73 |
| 162 Lockport | 001 | F01 | 61 | 18. | 27. | 39. | 53. | 66. | 98. | 105. | 145. | 145. | 59. | 27.98 | 52.60 | 1.60 |
| | 002 | F01 | 61 | 19. | 32. | 42. | 56. | 70. | 96. | 110. | 132. | 132. | 60. | 26.53 | 54.61 | 1.55 |
| | 005 | F01 | 61 | 30. | 40. | 57. | 70. | 89. | 120. | 153. | 259. | 259. | 79. | 40.35 | 71.05 | 1.57 |
| | 006 | F01 | 60 | 19. | 28. | 43. | 57. | 78. | 116. | 132. | 208. | 208. | 68. | 38.83 | 58.56 | 1.70 |
| | 008 | F01 | 57 | 12. | 26. | 41. | 64. | 82. | 116. | 133. | 138. | 138. | 66. | 33.76 | 56.16 | 1.86 |
| | 009 | F01 | 57 | 21. | 41. | 63. | 80. | 95. | 127. | 187. | 302. | 302. | 87. | 47.25 | 77.34 | 1.65 |
| | 010 | F01 | 59 | 24. | 34. | 48. | 69. | 87. | 123. | 150. | 194. | 194. | 73. | 36.12 | 65.60 | 1.61 |
| 162 Niagara Co | 001 | F01 | 60 | 20. | 28. | 35. | 48. | 70. | 102. | 120. | 144. | 144. | 57. | 30.42 | 50.46 | 1.66 |
| | 002 | F01 | 60 | 21. | 29. | 38. | 50. | 67. | 101. | 107. | 135. | 135. | 57. | 28.32 | 51.53 | 1.59 |
| 162 Niagara | 001 | F01 | 44 | 23. | 39. | 67. | 80. | 110. | 155. | 170. | 221. | 221. | | | | |
| 162 Niagara Falls | 001 | A01 | 26 | 56. | 60. | 75. | 98. | 123. | 163. | 168. | 234. | 234. | 106. | 41.86 | 98.73 | 1.45 |
| | 001 | F01 | 59 | 33. | 50. | 78. | 109. | 136. | 187. | 222. | 264. | 264. | 114. | 51.38 | 102.38 | 1.61 |
| | 003 | F01 | 61 | 19. | 45. | 67. | 104. | 135. | 187. | 193. | 227. | 227. | 107. | 52.10 | 93.82 | 1.72 |
| | 006 | F01 | 57 | 35. | 73. | 108. | 140. | 188. | 261. | 278. | 288. | 288. | 152. | 67.75 | 135.89 | 1.65 |
| | 007 | F01 | 59 | 37. | 69. | 133. | 207. | 241. | 318. | 338. | 554. | 554. | 200. | 99.49 | 173.15 | 1.80 |
| | 008 | F01 | 32 | 39. | 47. | 75. | 93. | 133. | 170. | 188. | 215. | 215. | | | | |
| | 009 | F01 | 50 | 36. | 56. | 71. | 107. | 138. | 178. | 191. | 213. | 213. | | | | |
| 162 North Tonawanda | 001 | F01 | 41 | 28. | 52. | 63. | 92. | 114. | 145. | 158. | 240. | 240. | | | | |
| | 002 | F01 | 58 | 20. | 30. | 46. | 65. | 89. | 128. | 170. | 174. | 174. | 73. | 39.77 | 63.32 | 1.73 |
| | 004 | F01 | 36 | 54. | 87. | 175. | 228. | 308. | 389. | 416. | 438. | 438. | | | | |
| | 005 | F01 | 61 | 27. | 45. | 61. | 74. | 100. | 147. | 152. | 169. | 169. | 85. | 37.03 | 77.04 | 1.56 |
| | 007 | F01 | 36 | 35. | 51. | 75. | 94. | 127. | 181. | 204. | 248. | 248. | | | | |
| 162 Sloan | 001 | F01 | 57 | 32. | 48. | 70. | 83. | 101. | 149. | 192. | 211. | 211. | 93. | 41.67 | 84.95 | 1.53 |
| 162 Tonawanda | 002 | F01 | 57 | 28. | 51. | 70. | 88. | 109. | 164. | 187. | 204. | 204. | 96. | 39.91 | 87.93 | 1.52 |
| | 003 | F01 | 43 | 25. | 35. | 53. | 63. | 92. | 106. | 112. | 135. | 135. | | | | |
| | 005 | F01 | 21 | 39. | 56. | 87. | 126. | 193. | 226. | 236. | 580. | 580. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NEW YORK—Cont.** | | | | | | | | | | | | | | | | |
| | 006 | F01 | 21 | 39. | 47. | 57. | 78. | 120. | 177. | 226. | 263. | 263. | | | | |
| 162 West Seneca | 001 | F01 | 35 | 23. | 31. | 45. | 57. | 67. | 88. | 102. | 137. | 137. | | | | |
| | 002 | F01 | 38 | 24. | 41. | 54. | 68. | 76. | 118. | 153. | 155. | 155. | | | | |
| 162 Wheatfield | 001 | F01 | 52 | 12. | 30. | 54. | 66. | 81. | 111. | 141. | 166. | 166. | 69. | 33.23 | 61.13 | 1.71 |
| 163 Binghamton | 002 | F01 | 53 | 23. | 55. | 66. | 78. | 94. | 149. | 173. | 176. | 176. | 86. | 34.95 | 80.05 | 1.48 |
| | 003 | F01 | 51 | 33. | 46. | 58. | 72. | 88. | 133. | 153. | 227. | 227. | 80. | 38.91 | 72.57 | 1.53 |
| 163 Endicott | 001 | F01 | 54 | 22. | 29. | 48. | 60. | 82. | 140. | 177. | 291. | 291. | 76. | 50.55 | 63.81 | 1.78 |
| | 002 | F01 | 49 | 21. | 31. | 48. | 69. | 102. | 187. | 234. | 304. | 304. | 89. | 62.25 | 72.58 | 1.87 |
| 163 Johnson City | 001 | F01 | 56 | 18. | 36. | 50. | 69. | 93. | 135. | 158. | 183. | 183. | 76. | 36.96 | 67.53 | 1.62 |
| 163 Olean | 001 | F01 | 35 | 24. | 33. | 50. | 58. | 78. | 103. | 111. | 117. | 117. | | | | |
| 163 Owego | 001 | F01 | 36 | 13. | 18. | 31. | 39. | 53. | 80. | 94. | 101. | 101. | | | | |
| 164 Cattaraugus Co | 002 | F01 | 32 | 16. | 27. | 41. | 43. | 58. | 84. | 98. | 114. | 114. | | | | |
| | 003 | F01 | 42 | 11. | 23. | 38. | 44. | 53. | 76. | 89. | 106. | 106. | | | | |
| | 004 | F01 | 41 | 13. | 23. | 31. | 40. | 54. | 71. | 73. | 106. | 106. | | | | |
| 164 Chemung Co | 002 | F01 | 59 | 12. | 30. | 39. | 47. | 63. | 91. | 110. | 133. | 133. | 55. | 25.31 | 49.14 | 1.60 |
| 164 Corning | 001 | F01 | 50 | 36. | 48. | 60. | 71. | 87. | 116. | 136. | 173. | 173. | 79. | 29.47 | 73.66 | 1.43 |
| 164 Dunkirk | 001 | F01 | 43 | 13. | 26. | 50. | 59. | 83. | 104. | 111. | 134. | 134. | 63. | 29.24 | 56.01 | 1.70 |
| 164 Ellicott | 001 | F01 | 48 | 14. | 29. | 37. | 47. | 57. | 89. | 94. | 121. | 121. | 52. | 23.97 | 47.46 | 1.58 |
| 164 Elmira | 002 | F01 | 60 | 24. | 36. | 46. | 54. | 66. | 85. | 102. | 108. | 108. | 59. | 20.40 | 55.79 | 1.41 |
| 164 Hornell | 001 | F01 | 51 | 20. | 46. | 57. | 68. | 86. | 111. | 138. | 406. | 406. | 81. | 54.54 | 71.09 | 1.60 |
| 164 Horseheads | 001 | F01 | 60 | 22. | 34. | 45. | 61. | 80. | 101. | 116. | 184. | 184. | 67. | 30.45 | 61.09 | 1.56 |
| 164 Ithaca | 001 | F01 | 54 | 20. | 38. | 45. | 56. | 63. | 94. | 109. | 157. | 157. | 61. | 25.57 | 56.53 | 1.48 |
| 164 Jamestown | 001 | F01 | 45 | 26. | 41. | 71. | 78. | 99. | 115. | 147. | 181. | 181. | 84. | 32.18 | 77.88 | 1.51 |
| | 002 | F01 | 37 | 27. | 38. | 66. | 85. | 101. | 136. | 167. | 209. | 209. | | | | |
| | 003 | F01 | 50 | 16. | 28. | 44. | 66. | 74. | 121. | 188. | 214. | 214. | 71. | 43.52 | 59.89 | 1.79 |
| **NORTH CAROLINA** | | | | | | | | | | | | | | | | |
| 136 Asheboro | 001 | F01 | 25 | 1. | 13. | 44. | 57. | 65. | 102. | 104. | 111. | 111. | | | | |
| 136 Burlington | 001 | F02 | 22 | 1. | 1. | 53. | 77. | 105. | 159. | 188. | 246. | 246. | | | | |
| 136 Eden | 001 | F02 | 12 | 2. | 5. | 14. | 26. | 53. | 62. | 173. | 173. | 173. | | | | |
| 136 Graham | 001 | F02 | 16 | 1. | 1. | 10. | 53. | 68. | 152. | 158. | 158. | 158. | | | | |
| 136 Greensboro | 001 | A01 | 18 | 39. | 78. | 98. | 101. | 120. | 158. | 193. | 193. | 193. | | | | |
| 136 Lexington | 001 | F02 | 17 | 1. | 1. | 58. | 77. | 86. | 145. | 190. | 190. | 190. | | | | |
| 136 Northampton Co | 001 | F02 | 24 | 1. | 8. | 37. | 43. | 51. | 63. | 72. | 77. | 77. | | | | |
| 136 Reidsville | 001 | F01 | 21 | 1. | 9. | 22. | 44. | 88. | 101. | 115. | 118. | 118. | | | | |
| 136 Thomasville | 001 | F02 | 18 | 1. | 10. | 42. | 70. | 91. | 190. | 218. | 218. | 218. | | | | |
| 136 Winston-Salem | 002 | A01 | 24 | 3. | 90. | 109. | 133. | 173. | 224. | 235. | 246. | 246. | 139. | 58.64 | 115.26 | 2.38 |
| 165 Ashe Co | 001 | F01 | 5 | 46. | 46. | 66. | 77. | 133. | 146. | 146. | 146. | 146. | | | | |
| 165 Boone | 001 | F02 | 13 | 18. | 22. | 23. | 63. | 94. | 117. | 125. | 125. | 125. | | | | |
| 165 Forest City | 001 | F01 | 10 | 1. | 1. | 1. | 4. | 29. | 62. | 75. | 75. | 75. | | | | |
| 165 Lenoir | 001 | G01 | 6 | 1. | 1. | 50. | 56. | 70. | 74. | 74. | 74. | 74. | | | | |
| 165 Mc Dowell Co | 001 | F02 | 27 | 1. | 1. | 19. | 60. | 96. | 121. | 179. | 179. | 179. | | | | |
| 165 Marion | 001 | F01 | 27 | 1. | 1. | 41. | 59. | 75. | 94. | 103. | 108. | 108. | | | | |
| 165 Morganton | 001 | G01 | 17 | 29. | 31. | 46. | 50. | 57. | 61. | 69. | 69. | 69. | | | | |
| 165 North Wilkesboro | 001 | F01 | 13 | 1. | 17. | 25. | 48. | 58. | 60. | 85. | 85. | 85. | | | | |
| 165 Polk Co | 001 | F01 | 13 | 1. | 1. | 1. | 27. | 55. | 66. | 73. | 73. | 73. | | | | |
| 165 Rutherfordton | 001 | F01 | 9 | 13. | 13. | 26. | 34. | 67. | 113. | 113. | 113. | 113. | | | | |
| 165 Spindale | 001 | F01 | 12 | 11. | 19. | 23. | 32. | 52. | 61. | 63. | 63. | 63. | | | | |
| 165 Spruce Pine | 001 | F02 | 25 | 6. | 10. | 58. | 77. | 100. | 162. | 176. | 196. | 196. | | | | |
| | 002 | F02 | 27 | 1. | 1. | 4. | 28. | 39. | 54. | 74. | 123. | 123. | | | | |
| | 003 | F02 | 12 | 31. | 42. | 50. | 58. | 87. | 112. | 131. | 131. | 131. | | | | |
| 165 Wilkes Co | 001 | F01 | 11 | 31. | 38. | 59. | 75. | 81. | 102. | 112. | 112. | 112. | | | | |
| 165 Yancey Co | 001 | F02 | 13 | 1. | 24. | 26. | 30. | 57. | 66. | 75. | 75. | 75. | | | | |
| | 002 | F01 | 13 | 1. | 1. | 26. | 28. | 40. | 49. | 66. | 66. | 66. | | | | |
| 166 Durham | 001 | A01 | 20 | 7. | 18. | 48. | 54. | 84. | 119. | 140. | 197. | 197. | | | | |
| 166 Roanoke Rapids | 001 | F02 | 24 | 1. | 1. | 45. | 61. | 70. | 82. | 94. | 98. | 98. | | | | |
| 166 Roxboro | 001 | F02 | 22 | 1. | 21. | 36. | 42. | 52. | 69. | 127. | 171. | 171. | | | | |
| 167 Albemarle | 001 | F01 | 24 | 1. | 1. | 39. | 44. | 59. | 118. | 128. | 172. | 172. | | | | |
| 167 Charlotte | 001 | A01 | 16 | 37. | 43. | 58. | 71. | 106. | 136. | 138. | 138. | 138. | | | | |
| | 001 | G01 | 15 | 42. | 50. | 78. | 90. | 130. | 156. | 158. | 158. | 158. | | | | |
| | 002 | G01 | 30 | 60. | 64. | 89. | 104. | 118. | 154. | 171. | 199. | 199. | | | | |
| | 003 | G01 | 24 | 48. | 55. | 68. | 74. | 106. | 136. | 141. | 143. | 143. | | | | |
| | 004 | G01 | 27 | 24. | 38. | 49. | 71. | 104. | 130. | 133. | 137. | 137. | | | | |
| | 005 | G01 | 10 | 45. | 45. | 50. | 61. | 64. | 132. | 142. | 142. | 142. | | | | |
| | 006 | G01 | 23 | 34. | 103. | 127. | 148. | 173. | 197. | 232. | 240. | 240. | | | | |
| | 007 | G01 | 32 | 22. | 30. | 40. | 51. | 61. | 95. | 114. | 141. | 141. | | | | |
| | 008 | G01 | 26 | 21 | 32. | 50. | 60. | 72. | 110. | 124. | 134. | 134. | | | | |
| | 009 | G02 | 19 | 32. | 34. | 47. | 66. | 87. | 132. | 134. | 134. | 134. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NORTH CAROLINA — Cont.** | | | | | | | | | | | | | | | | |
| | 010 | G01 | 33 | 48 | 59. | 75. | 90. | 132. | 155. | 161. | 165. | 165. | | | | |
| | 011 | G01 | 8 | 39 | 39. | 42. | 49. | 82. | 150. | 150. | 150. | 150. | | | | |
| | 013 | G01 | 6 | 47 | 47. | 54. | 58 | 92. | 132. | 132. | 132. | 132. | | | | |
| | 014 | G01 | 25 | 7 | 27. | 40. | 46. | 55. | 65. | 75. | 98. | 98. | | | | |
| | 016 | G01 | 31 | 20 | 38. | 49. | 65. | 76. | 120. | 145. | 150. | 150. | | | | |
| 167 Concord | 001 | F01 | 20 | 1 | 25. | 47. | 54. | 76. | 123. | 147. | 359. | 359. | | | | |
| 167 Kannapolis | 001 | F02 | 20 | 1 | 1. | 13. | 46. | 77. | 133. | 190. | 690. | 690. | | | | |
| 167 Monroe | 001 | F01 | 26 | 23 | 37. | 52. | 56. | 72. | 125. | 204. | 371. | 371. | | | | |
| 167 Mooresville | 001 | F01 | 17 | 50 | 56. | 83. | 90 | 174. | 356. | 363. | 363. | 363. | | | | |
| 167 Statesville | 001 | F01 | 20 | 1 | 1. | 40. | 69. | 122. | 164. | 260. | 1280. | 1280. | | | | |
| 168 Ahoskie | 001 | F01 | 3 | 6 | 6 | 6 | 12. | 26. | 26. | 26. | 26. | 26. | | | | |
| 168 Beaufort Co | 001 | F02 | 23 | 1 | 1. | 20. | 29. | 38. | 61. | 64. | 67. | 67. | | | | |
| 168 Bertie Co | 001 | F02 | 4 | 27 | 27. | 39. | 39. | 50. | 63. | 63. | 63. | 63. | | | | |
| 168 Camden Co | 001 | F01 | 27 | 1 | 1. | 28. | 36. | 42. | 72. | 90. | 92. | 92. | | | | |
| 168 Cape Hatteras Nat Park | 001 | A03 | 23 | 24 | 31. | 52. | 81. | 110. | 179. | 284. | 302. | 302. | | | | |
| 168 Edenton | 001 | F01 | 27 | 19 | 23. | 35. | 38. | 46. | 66. | 72. | 78. | 78. | | | | |
| 168 Elizabeth City | 001 | F01 | 27 | 1 | 1. | 26. | 34. | 45. | 90. | 111. | 151. | 151. | | | | |
| 168 Farmville | 001 | F02 | 22 | 1 | 1. | 1. | 1. | 43. | 57. | 62. | 80. | 80. | | | | |
| 168 Gates Co | 001 | F02 | 29 | 16 | 26. | 33. | 39. | 50. | 65. | 69. | 137. | 137. | | | | |
| 168 Hertford Co | 001 | F02 | 29 | 11 | 24. | 28. | 37. | 48. | 84. | 89. | 115. | 115. | | | | |
| | 002 | F02 | 24 | 7 | 20. | 25. | 28. | 38. | 53. | 56. | 69. | 69. | | | | |
| 168 Plymouth | 001 | F02 | 27 | 1 | 19. | 29. | 33. | 37. | 53. | 58. | 58. | 58. | | | | |
| 168 Washington | 001 | F01 | 3 | 45 | 45. | 45. | 49. | 53. | 53. | 53. | 53. | 53. | | | | |
| 169 Laurinburg | 001 | F01 | 27 | 1 | 1. | 33. | 48. | 60. | 92. | 93. | 103. | 103. | | | | |
| 169 Lumberton | 001 | F01 | 27 | 11 | 30. | 42. | 54. | 76. | 105. | 117. | 133. | 133. | | | | |
| 169 Rockingham | 001 | F02 | 26 | 1 | 11. | 37. | 55. | 68. | 92. | 112. | 136. | 136. | | | | |
| 170 Brunswick Co | 001 | F02 | 30 | 1 | 27. | 37. | 47. | 60. | 76. | 96. | 107. | 107. | | | | |
| 170 Columbus Co | 001 | F02 | 2 | 1 | 1. | 1. | 1. | 28. | 28. | 28. | 28. | 28. | | | | |
| | 002 | F02 | 30 | 21 | 26. | 32. | 43. | 56. | 70. | 99. | 153. | 153. | | | | |
| 170 Duplin Co | 001 | F01 | 4 | 29 | 29. | 34. | 34. | 59. | 80. | 80. | 80. | 80. | | | | |
| 170 Goldsboro | 002 | F01 | 27 | 1 | 24. | 48. | 62. | 73. | 91. | 96. | 112. | 112. | | | | |
| 170 Jacksonville | 001 | F01 | 2 | 43. | 43. | 43. | 43. | 61. | 61. | 61. | 61. | 61. | | | | |
| | 002 | F01 | 29 | 11. | 25. | 35. | 39. | 44. | 56. | 64. | 90. | 90. | | | | |
| 170 Kinston | 001 | F02 | 26 | 1. | 1. | 26. | 33. | 42. | 54. | 55. | 66. | 66. | | | | |
| 170 Morehead City | 001 | F02 | 22 | 28. | 30. | 41. | 51. | 72. | 136. | 139. | 179. | 179. | | | | |
| 170 New Bern | 001 | F01 | 27 | 1 | 1. | 22. | 34. | 52. | 72. | 86. | 91. | 91. | | | | |
| 170 Whiteville | 001 | F01 | 4 | 36. | 36. | 43. | 43. | 59. | 83. | 83. | 83. | 83. | | | | |
| 170 Wilmington | 002 | F01 | 3 | 31. | 31. | 31. | 44. | 70. | 70. | 70. | 70. | 70. | | | | |
| | 003 | F01 | 4 | 24. | 24. | 27. | 27. | 28. | 44. | 44. | 44. | 44. | | | | |
| | 004 | F02 | 28 | 1. | 1. | 32. | 37. | 57. | 72. | 75. | 104. | 104. | | | | |
| 171 Brevard | 001 | F02 | 27 | 1. | 1. | 31. | 40. | 46. | 74. | 84. | 90. | 90. | | | | |
| 171 Cherokee Co | 001 | F02 | 14 | 1 | 1. | 27. | 32. | 41. | 88. | 114. | 114. | 114. | | | | |
| 171 Hendersonville | 001 | F01 | 9 | 22. | 22. | 25. | 38. | 41. | 76. | 76. | 76. | 76. | | | | |
| | 002 | F01 | 13 | 1. | 15. | 28. | 52. | 66. | 99. | 107. | 107. | 107. | | | | |
| | 003 | F02 | 13 | 4 | 26. | 39. | 74. | 94. | 113. | 134. | 134. | 134. | | | | |
| 171 Jackson Co | 001 | F02 | 37 | 41 | 69. | 93. | 112. | 145. | 198. | 226. | 244. | 244. | | | | |
| | 002 | F02 | 24 | 47. | 78. | 92. | 124. | 184. | 234. | 444. | 516. | 516. | | | | |
| | 003 | F02 | 18 | 33. | 33. | 50. | 67. | 115. | 190. | 319. | 319. | 319. | | | | |
| 171 Macon Co | 001 | F01 | 15 | 17. | 31. | 46. | 54. | 78. | 117. | 118. | 118. | 118. | | | | |
| 171 Swain Co | 001 | F01 | 15 | 36. | 38. | 46. | 57. | 87. | 121. | 127. | 127. | 127. | | | | |
| **NORTH DAKOTA** | | | | | | | | | | | | | | | | |
| 172 Bismarck | 001 | A01 | 26 | 27. | 44. | 58. | 67. | 90. | 128. | 136. | 261. | 261. | 81 | 45.61 | 72.65 | 1.59 |
| | 001 | F01 | 20 | 29. | 30. | 44. | 51. | 63. | 77. | 79. | 104. | 104. | | | | |
| **OHIO** | | | | | | | | | | | | | | | | |
| 079 Cincinnati | 001 | A01 | 23 | 57. | 63. | 80. | 94. | 116. | 142. | 227. | 229. | 229. | 104 | 45.78 | 96.47 | 1.46 |
| | 001 | H01 | 52 | 42. | 65. | 77. | 91. | 108. | 164. | 182. | 244. | 244. | 100 | 38.94 | 94.07 | 1.42 |
| | 002 | H01 | 52 | 24. | 42. | 50. | 63. | 76. | 102. | 140. | 162. | 162. | 69. | 28.58 | 63.46 | 1.50 |
| | 003 | A10 | 188 | 5. | 59. | 84. | 109. | 136. | 169. | 194. | 280. | 350. | 113. | 49.39 | 100.30 | 1.79 |
| | 011 | H01 | 53 | 42. | 51. | 65. | 81. | 88. | 110. | 127. | 141. | 141. | 80. | 23.06 | 77.22 | 1.34 |
| | 013 | H01 | 52 | 31. | 51. | 62. | 73. | 86. | 119. | 139. | 167. | 167. | 80. | 28.92 | 74.87 | 1.42 |
| | 014 | H01 | 54 | 42. | 64. | 89. | 103. | 119. | 171. | 183. | 227. | 227. | 110. | 40.49 | 103.73 | 1.43 |
| | 015 | H01 | 51 | 46. | 58. | 75. | 91. | 101. | 136. | 146. | 187. | 187. | 92. | 29.62 | 87.35 | 1.37 |
| | 016 | H01 | 48 | 57. | 72. | 102. | 115. | 131. | 190. | 210. | 220. | 220. | 120. | 39.79 | 114.42 | 1.38 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **OHIO — Cont.** | | | | | | | | | | | | | | | | |
| | 017 | H01 | 43 | 27. | 44. | 62. | 72. | 89. | 117. | 125. | 131. | 131. | | | | |
| | 018 | H01 | 52 | 30. | 59. | 75. | 86. | 105. | 137. | 180. | 270. | 270. | | | | |
| 079 Fairfield | 001 | H01 | 7 | 21. | 21. | 53. | 54. | 61. | 88. | 88. | 88. | 88. | 54. | 22.43 | 49.02 | 1.63 |
| 079 Forest Park | 001 | H01 | 50 | 19. | 34. | 45. | 61. | 73. | 87. | 105. | 193. | 193. | 63. | 28.39 | 58.00 | 1.53 |
| 079 Franklin | 002 | H01 | 9 | 26. | 26. | 42. | 66. | 78. | 136. | 136. | 136. | 136. | | | | |
| 079 Hamilton | 002 | H01 | 15 | 27. | 29. | 51. | 77. | 86. | 118. | 157. | 157. | 157. | | | | |
| 079 Hamilton Co | 001 | H01 | 29 | 22. | 32. | 49. | 60. | 82. | 103. | 122. | 132. | 132. | | | | |
| | 002 | H01 | 45 | 33. | 55. | 65. | 77. | 90. | 128. | 150. | 174. | 174. | 84. | 31.30 | 79.41 | 1.42 |
| | 003 | H01 | 7 | 62. | 62. | 76. | 78. | 79. | 109. | 109. | 109. | 109. | | | | |
| | 004 | H01 | 7 | 25. | 25. | 36. | 45. | 73. | 112. | 112. | 112. | 112. | | | | |
| 079 Harrison | 001 | H01 | 9 | 33. | 33. | 60. | 68. | 76. | 103. | 103. | 103. | 103. | | | | |
| 079 Lockland | 001 | H01 | 46 | 40. | 75. | 94. | 111. | 150. | 202. | 208. | 253. | 253. | 126. | 48.92 | 116.51 | 1.50 |
| 079 Middletown | 001 | H01 | 15 | 38. | 54. | 61. | 71. | 126. | 144. | 147. | 147. | 147. | | | | |
| | 002 | H01 | 11 | 57. | 79. | 106. | 143. | 154. | 170. | 202. | 202. | 202. | | | | |
| 079 St Bernard | 001 | H01 | 53 | 63. | 105. | 142. | 165. | 211. | 275. | 288. | 334. | 334. | 179. | 61.87 | 168.97 | 1.43 |
| 079 Sharonville | 001 | H01 | 53 | 33. | 42. | 55. | 62. | 72. | 113. | 127. | 131. | 131. | 69. | 25.12 | 65.31 | 1.40 |
| 079 Warren Co | 001 | H01 | 12 | 7. | 17. | 33. | 42. | 55. | 58. | 73. | 73. | 73 | | | | |
| 079 Wyoming | 001 | H01 | 50 | 20. | 38. | 47. | 58. | 77. | 104. | 119. | 200. | 200. | 67. | 32.31 | 60.95 | 1.54 |
| 103 Ironton | 002 | A01 | 23 | 48. | 59. | 68. | 106. | 143. | 219. | 219. | 265. | 265. | 121. | 63.65 | 106.30 | 1.68 |
| 103 Portsmouth | 002 | A01 | 26 | 41. | 47. | 55. | 63. | 85. | 108. | 141. | 149. | 149. | 73. | 27.69 | 68.49 | 1.41 |
| 124 Oregon | 002 | H01 | 24 | 36. | 38. | 57. | 61. | 78. | 104. | 116. | 117. | 117. | | | | |
| 124 Rossford | 001 | H01 | 25 | 24. | 39. | 49. | 67. | 89. | 101. | 104. | 151. | 151 | 69. | 28.89 | 63.09 | 1.54 |
| 124 Toledo | 001 | A01 | 23 | 36. | 46. | 61. | 81. | 105. | 130. | 137. | 159. | 159. | | | | |
| | 003 | H01 | 19 | 42. | 46. | 74. | 86. | 108. | 145. | 176. | 176. | 176. | | | | |
| | 011 | H01 | 23 | 25. | 42. | 52. | 63. | 81. | 112. | 113. | 143. | 143. | 68. | 28.05 | 63.36 | 1.50 |
| | 012 | H01 | 25 | 37. | 80. | 100. | 110. | 133. | 211. | 241. | 249. | 249. | 125. | 51.08 | 115.72 | 1.50 |
| | 013 | H01 | 23 | 20. | 49. | 64. | 72. | 107. | 134. | 137. | 260. | 260. | 89. | 49.70 | 78.59 | 1.69 |
| | 014 | H01 | 15 | 38. | 46. | 76. | 83 | 94. | 112. | 197. | 197. | 197. | | | | |
| | 015 | H01 | 17 | 45. | 51. | 86. | 114. | 141. | 199. | 505. | 505. | 505. | | | | |
| | 016 | H01 | 25 | 37. | 49. | 67. | 78. | 100. | 116. | 125. | 140. | 140. | 81. | 27.25 | 76.61 | 1.42 |
| | 017 | H01 | 21 | 54. | 65. | 80. | 87. | 98. | 114. | 141. | 299. | 299. | | | | |
| | 018 | H01 | 25 | 28. | 62. | 84. | 93. | 101. | 115. | 115. | 157. | 157. | 91. | 25.45 | 86.90 | 1.40 |
| | 019 | H01 | 24 | 47. | 62. | 75. | 79. | 96. | 138. | 140. | 249. | 249. | | | | |
| 173 Dayton | 001 | A01 | 24 | 16. | 54. | 83. | 94. | 113. | 150. | 151. | 158. | 158. | 98. | 36.97 | 88.61 | 1.65 |
| 174 Akron | 001 | A01 | 25 | 53. | 64. | 85. | 105. | 121. | 161. | 202. | 261 | 261. | 112. | 47.14 | 103.99 | 1.46 |
| | 002 | H01 | 55 | 29. | 51. | 71. | 92. | 115. | 142. | 177. | 193. | 193. | 97 | 37.67 | 89.70 | 1.51 |
| | 003 | H01 | 53 | 21. | 48. | 73. | 94. | 117. | 147. | 153. | 197. | 197. | 94. | 38.85 | 85.40 | 1.60 |
| | 004 | H01 | 24 | 25. | 52. | 57. | 87. | 123. | 165. | 182. | 188. | 188. | | | | |
| | 005 | H01 | 51 | 35. | 60. | 82. | 106. | 138. | 164. | 188. | 237 | 237. | 112 | 44.59 | 103.27 | 1.52 |
| | 006 | H01 | 55 | 43. | 72. | 93. | 115. | 149. | 185 | 187. | 213. | 213. | 121. | 40.59 | 113.66 | 1.43 |
| 174 Alliance | 001 | H02 | 4 | 54. | 54. | 69. | 69 | 91. | 124. | 124. | 124. | 124. | | | | |
| 174 Barberton | 001 | H01 | 56 | 53. | 63. | 86. | 106. | 134. | 153. | 165. | 229. | 229. | 110. | 36.51 | 104.24 | 1.40 |
| 174 Canton | 001 | A01 | 23 | 8. | 66. | 76. | 87. | 128. | 164. | 180. | 197. | 197. | 101. | 44.29 | 88.32 | 1.90 |
| | 001 | H02 | 57 | 39 | 73. | 94. | 113. | 133. | 177. | 189. | 790. | 790. | 128. | 96.41 | 114.27 | 1.53 |
| | 002 | H01 | 57 | 32. | 51. | 89. | 105. | 133. | 189. | 202. | 206. | 206. | 113. | 47.51 | 102.94 | 1.59 |
| | 003 | H02 | 55 | 46. | 66. | 78. | 109. | 135 | 167. | 185. | 218. | 218. | 111. | 42.70 | 103.43 | 1.48 |
| | 004 | H02 | 57 | 34. | 55. | 77. | 94. | 121. | 163. | 184. | 228. | 228. | 103. | 43.50 | 94.03 | 1.55 |
| | 005 | H02 | 59 | 33. | 52. | 80. | 106. | 118. | 160. | 187. | 200. | 200. | 105. | 39.21 | 97.37 | 1.50 |
| | 006 | H02 | 56 | 37. | 56. | 81. | 103. | 127. | 164. | 171. | 204. | 204. | 106. | 41.46 | 97.78 | 1.52 |
| | 008 | H01 | 58 | 27. | 46. | 67. | 82. | 113. | 151. | 161. | 197. | 197. | 92. | 41.08 | 82.61 | 1.61 |
| | 011 | H01 | 38 | 62. | 72. | 95. | 124. | 155. | 195. | 219. | 239. | 239. | | | | |
| | 014 | H02 | 27 | 42. | 69. | 86. | 104. | 127. | 148. | 154. | 183. | 183. | | | | |
| 174 Cleveland | 001 | A01 | 13 | 85. | 89. | 101. | 147. | 193. | 202. | 215. | 215. | 215. | | | | |
| | 001 | H01 | 30 | 44. | 93. | 116. | 153. | 215. | 302. | 319 | 785. | 785. | | | | |
| | 003 | H01 | 76 | 34. | 63. | 86. | 102. | 128. | 174. | 200. | 262. | 262. | 112. | 45.41 | 103.55 | 1.50 |
| | 005 | H01 | 84 | 47. | 67. | 102. | 122. | 156. | 183. | 191. | 268. | 268. | 128. | 45.25 | 119.47 | 1.47 |
| | 006 | H01 | 79 | 15. | 47. | 64. | 81. | 105. | 144. | 172. | 215. | 215. | 88. | 39.35 | 79.23 | 1.64 |
| | 007 | H01 | 80 | 27. | 45. | 72. | 96. | 123. | 169. | 187. | 207. | 207. | 103 | 44.72 | 93.45 | 1.60 |
| | 008 | H01 | 94 | 64. | 108. | 161. | 202. | 245. | 366. | 432. | 534. | 534. | 223. | 103.43 | 200.82 | 1.59 |
| | 009 | H01 | 92 | 26. | 65. | 90. | 122. | 165. | 215. | 256. | 463. | 463. | 139 | 77.61 | 120.64 | 1.72 |
| | 010 | H01 | 74 | 26. | 48. | 65. | 82. | 127. | 171. | 205. | 296. | 296. | 101. | 54.31 | 89.08 | 1.67 |
| | 011 | H01 | 91 | 15. | 45. | 71. | 98. | 122. | 168. | 189. | 217. | 217. | 102. | 47.21 | 90.09 | 1.68 |
| | 012 | H01 | 94 | 27. | 86. | 131. | 164. | 215. | 293. | 399. | 869. | 869. | 188. | 113.20 | 163.98 | 1.69 |
| | 013 | H01 | 73 | 59. | 95. | 135. | 169. | 245. | 362. | 416. | 508. | 508. | | | | |
| | 015 | H01 | 80 | 3. | 61. | 86. | 100. | 120. | 153. | 166. | 239. | 239. | 106. | 39.77 | 96.64 | 1.70 |
| | 017 | H01 | 78 | 68 | 87. | 114. | 145. | 176. | 232. | 269. | 400. | 400. | 152. | 59.02 | 142.20 | 1.44 |
| | 020 | H01 | 85 | 18. | 40. | 64. | 92 | 119. | 182. | 237. | 372. | 372. | 104 | 62.02 | 88.01 | 1.80 |
| | 021 | H01 | 73 | 24. | 45. | 63. | 88. | 117. | 155. | 207. | 322. | 322. | 100. | 58.92 | 86.62 | 1.73 |
| | 024 | H01 | 64 | 18. | 50. | 78. | 89. | 117. | 153. | 179. | 305. | 305. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **OHIO — Cont.** | | | | | | | | | | | | | | | | |
| | 026 | H01 | 79 | 51. | 108. | 160. | 210. | 261 | 313. | 391. | 517. | 517. | 217. | 88.93 | 199.19 | 1.53 |
| | 027 | H01 | 87 | 1 | 49 | 94. | 147. | 231. | 354. | 418 | 507 | 507. | 174. | 117.31 | 132.19 | 2.42 |
| | 028 | H01 | 47 | 39. | 50. | 79. | 97. | 114. | 176. | 183 | 310. | 310. | | | | |
| | 029 | H01 | 41 | 24. | 87. | 106. | 171. | 259. | 383. | 430. | 575. | 575. | | | | |
| | 033 | H01 | 26 | 73. | 103. | 123. | 173. | 217. | 265. | 265. | 365. | 365. | | | | |
| | 001 | H01 | 58 | 28 | 39. | 60. | 82. | 110. | 161. | 207. | 207. | 207. | 91. | 47.39 | 80.07 | 1.68 |
| 174 Kent | 001 | H02 | 57 | 9. | 50 | 77 | 94. | 123. | 156. | 162. | 258. | 258. | 101. | 44.93 | 89.24 | 1.73 |
| 174 Massillon | 001 | H01 | 30 | 31. | 38. | 57. | 77. | 100. | 120. | 125. | 131. | 131. | | | | |
| 174 Medina | 001 | H01 | 9 | 33. | 33. | 52. | 77. | 88. | 102. | 102. | 102. | 102. | | | | |
| 174 Ravenna | 001 | H03 | 57 | 22. | 29. | 56. | 74. | 92. | 125. | 139. | 175. | 175. | 76. | 33.93 | 67.90 | 1.64 |
| 174 Stark Co | 002 | H03 | 60 | 29. | 41 | 62. | 81. | 117. | 140. | 148. | 171. | 171. | 90. | 37.66 | 81.94 | 1.59 |
| | 003 | H03 | 5 | 28. | 28. | 40. | 44 | 89. | 104. | 104. | 104. | 104 | | | | |
| | 004 | H03 | 2 | 36. | 36. | 36 | 36 | 41 | 41. | 41 | 41 | 41. | | | | |
| | 005 | H03 | 5 | 32. | 32 | 50. | 52. | 72. | 87. | 87 | 87 | 87. | | | | |
| | 001 | H03 | 23 | 27. | 43 | 57 | 81. | 104 | 126 | 157 | 206 | 206 | 84. | 36.72 | 76.59 | 1.56 |
| 174 Summit Co | 001 | H01 | 4 | 50 | 63 | 97. | 116. | 130. | 179. | 195 | 226 | 226. | | | | |
| 175 Mansfield | 001 | H03 | 57 | 21 | 33 | 57. | 73. | 93 | 113. | 116 | 144. | 144. | 73 | 30.19 | 66.16 | 1.62 |
| 175 Wayne Co | 001 | A01 | 26 | 3 | 53. | 67 | 80. | 96. | 114. | 117 | 143 | 143 | 81. | 27.49 | 71.28 | 2.02 |
| 176 Columbus | 001 | A01 | 25 | 55. | 67. | 90 | 99 | 123 | 200. | 219. | 233 | 233 | 117. | 48.72 | 108.38 | 1.47 |
| 178 Youngstown | 001 | A01 | 24 | 33 | 105 | 180. | 226 | 286. | 378. | 463 | 679. | 679. | 244. | 138.53 | 205.87 | 1.90 |
| 181 Steubenville | | | | | | | | | | | | | | | | |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 000 Oklahoma City | 015 | A05 | 15 | 56. | 61. | 81 | 110 | 168 | 189. | 198 | 198 | 198. | | | | |
| 000 Picher | 525 | F01 | 33 | 19 | 33 | 43. | 54 | 71 | 88 | 98 | 422 | 422. | | | | |
| 017 Cherokee Co | 001 | A03 | 22 | 14. | 22 | 35. | 44. | 68. | 87. | 125 | 142. | 142. | | | | |
| 017 Poteau | 460 | F01 | 72 | 18. | 37. | 56 | 70 | 93 | 129. | 165 | 260 | 260 | | | | |
| 017 Sequoyah Co | 471 | F01 | 69 | 14. | 18. | 34 | 47. | 71 | 127. | 160. | 713 | 713. | * | 91.72 | 50.46 | 2.15 |
| 017 Tahlequah | 480 | F01 | 14 | 20. | 27. | 34. | 55 | 62. | 96. | 102 | 102. | 102 | | | | |
| 022 Idabel | 455 | F01 | 61 | 19. | 35. | 62. | 87 | 118. | 171. | 180 | 501. | 501. | | | | |
| 022 Mc Curtain Co | 451 | F01 | 18 | 70 | 86. | 109 | 149. | 240. | 276. | 337. | 337 | 337. | | | | |
| | 454 | F01 | 2 | 39. | 39 | 39 | 39. | 41 | 41 | 41 | 41 | 41. | | | | |
| 184 Bethany | 014 | F01 | 77 | 15. | 33. | 52. | 70. | 87. | 145. | 185 | 533. | 533 | | | | |
| 184 Chandler | 080 | F01 | 95 | 6 | 24. | 42. | 57. | 70 | 116. | 155. | 236 | 236 | 64. | 40.15 | 53.35 | 1.89 |
| 184 Chickasha | 060 | F01 | 38 | 14 | 17. | 28 | 36. | 53 | 110. | 139. | 183 | 183. | | | | |
| 184 Edmond | 011 | F01 | 17 | 24. | 31. | 43. | 52 | 58. | 69 | 83. | 83 | 83. | | | | |
| | 016 | F01 | 86 | 14 | 37 | 56. | 64 | 83 | 107 | 140 | 368. | 368. | 74. | 43.73 | 65.46 | 1.62 |
| | 100 | F01 | 90 | 3. | 19 | 38. | 63. | 81 | 127. | 155 | 679. | 679. | 75 | 81.11 | 55.10 | 2.23 |
| 184 El Reno | 063 | F01 | 83 | 5 | 18. | 37. | 49. | 67 | 102 | 116. | 1106 | 1106 | 69. | 121.53 | 46.89 | 2.19 |
| 184 Grady Co | 090 | F01 | 100 | 16 | 45. | 59. | 72. | 90 | 120 | 160. | 216 | 1119. | 90 | 109.64 | 74.77 | 1.65 |
| 184 Guthrie | | | | | | | | | | | | | | | | |
| 184 Kingfisher | 030 | F01 | 61 | 16 | 51. | 76 | 84. | 100 | 135 | 169. | 242 | 242. | | | | |
| | 032 | F01 | 56 | 17 | 21 | 51. | 79 | 93 | 133 | 168 | 227. | 227 | 79 | 45.51 | 65.45 | 1.92 |
| 184 Midwest City | 006 | F01 | 93 | 10 | 31 | 44. | 55 | 66. | 94 | 109. | 166. | 166. | 59. | 27.91 | 53.52 | 1.58 |
| | 010 | F01 | 103 | 16 | 31. | 40 | 53 | 61. | 98. | 114. | 240 | 302. | 59. | 38.73 | 51.90 | 1.63 |
| 184 Moore | 044 | F01 | 32 | 14. | 32 | 36. | 44. | 54. | 71. | 83 | 95. | 95. | | | | |
| 184 Norman | 040 | F01 | 100 | 9 | 28. | 43 | 60. | 75 | 112. | 123. | 217. | 507. | 70. | 56.51 | 5 6 | 1.86 |
| 184 Oklahoma Co | 005 | F01 | 56 | 20. | 26 | 38. | 49 | 65. | 101. | 111. | 219 | 219. | | | | |
| 184 Oklahoma City | 001 | F01 | 49 | 26. | 41 | 70 | 85. | 98 | 116. | 137. | 418. | 418. | 90. | 55.33 | 80.05 | 1.60 |
| | 002 | F01 | 75 | 12 | 32. | 52 | 73. | 108. | 147. | 188. | 473. | 473. | 89. | 67.75 | 72.11 | 1.94 |
| | 003 | F01 | 34 | 43 | 78. | 120. | 154. | 193. | 256. | 484. | 972. | 972. | | | | |
| | 004 | F01 | 95 | 14 | 34. | 51. | 61 | 81. | 118. | 167 | 680. | 680. | 79. | 75.24 | 64.65 | 1.79 |
| | 007 | F01 | 68 | 20 | 39 | 52. | 64. | 74. | 111. | 130 | 199. | 199. | | | | |
| | 009 | F01 | 88 | 10. | 29. | 44. | 62. | 80 | 126 | 186. | 395. | 395. | 76. | 57.50 | 61.82 | 1.87 |
| | 012 | F01 | 74 | 35. | 46 | 61. | 73. | 93. | 132 | 164 | 294. | 294. | 86. | 43.48 | 77.65 | 1.54 |
| | 015 | F01 | 36 | 55. | 68. | 93. | 113 | 153. | 177. | 272. | 332 | 332. | | | | |
| | 017 | F01 | 23 | 40 | 62. | 86. | 101 | 125 | 158. | 160. | 192. | 192. | | | | |
| | 018 | F01 | 34 | 38. | 56. | 73. | 88 | 112 | 142. | 169. | 179 | 179. | | | | |
| | 019 | F01 | 56 | 26 | 34 | 44. | 52. | 72. | 86. | 94. | 103. | 103. | | | | |
| | 020 | F01 | 49 | 11. | 15. | 29. | 36. | 50. | 74. | 83. | 117. | 117. | | | | |
| | 021 | F01 | 44 | 19 | 27. | 36. | 46. | 61. | 87. | 100. | 194. | 194. | | | | |
| | 029 | A01 | 16 | 26. | 52 | 71 | 93 | 102. | 156. | 175. | 175 | 175. | | | | |
| 184 Purcell | 070 | F01 | 26 | 70 | 108 | 132. | 160. | 201 | 253. | 268 | 270 | 270. | | | | |
| | 072 | F01 | 22 | 16 | 19 | 33. | 51 | 73 | 111 | 123. | 128. | 128. | | | | |
| 184 Shawnee | 052 | F01 | 95 | 3. | 27. | 40 | 47 | 59. | 102 | 120. | 151 | 151. | 55. | 29.23 | 47.96 | 1.75 |
| 184 Yukon | 013 | F01 | 50 | 29. | 43 | 62. | 79 | 94. | 119. | 143. | 173. | 173. | | | | |
| 185 Blackwell | 597 | F01 | 6 | 53. | 53. | 56. | 59 | 184 | 289. | 289. | 289 | 289 | | | | |
| | 598 | F01 | 41 | 25. | 38 | 54 | 69 | 83 | 97. | 120 | 132 | 132 | | | | |
| 185 Enid | 550 | F01 | 44 | 13 | 26 | 43 | 53 | 62. | 84 | 86 | 272. | 272. | | | | |
| 185 Ponca City | 595 | F01 | 7 | 34 | 34 | 46 | 52. | 80. | 577. | 577. | 577. | 577. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **OKLAHOMA — Cont.** | | | | | | | | | | | | | | | | |
| | 596 | F01 | 4 | 21. | 21. | 35. | 35. | 45. | 84. | 84. | 84. | 84. | | | | |
| 185 Stillwater | 610 | F01 | 58 | 11. | 32. | 39. | 57. | 69. | 117. | 126. | 778. | 778. | 73. | 98.53 | 56.06 | 1.85 |
| | 611 | F01 | 1 | 80. | 80. | 80. | 80. | 80. | 80. | 80. | 80. | 80. | | | | |
| 186 Bartlesville | 215 | F01 | 32 | 9. | 30. | 44. | 50. | 59. | 78. | 84. | 121. | 121. | | | | |
| 186 Claremore | 190 | F01 | 59 | 6. | 21. | 48. | 68. | 85. | 117. | 144. | 207. | 207. | 70. | 39.93 | 57.35 | 2.01 |
| 186 Miami | 520 | F01 | 6 | 27. | 27. | 44. | 46. | 73. | 97. | 97. | 97. | 97. | | | | |
| | 524 | F01 | 75 | 27. | 37. | 50. | 60. | 76. | 100. | 136. | 166. | 166. | 67. | 27.66 | 61.76 | 1.48 |
| 186 Muskogee | 162 | F01 | 115 | 8. | 30. | 46. | 66. | 79. | 107. | 135. | 503. | 1311. | 80. | 126.95 | 60.31 | 1.88 |
| | 163 | F01 | 84 | 9. | 31. | 54. | 66. | 81. | 125. | 143. | 344. | 344. | 76. | 45.93 | 64.79 | 1.77 |
| 186 Okmulgee | 150 | F01 | 81 | 7. | 29. | 36. | 49. | 62. | 92. | 119. | 164. | 164. | 56. | 31.16 | 48.37 | 1.72 |
| 186 Ottawa Co | 525 | F01 | 9 | 12. | 12. | 19. | 26. | 43. | 45. | 45. | 45. | 45. | | | | |
| 186 Pawhuska | 220 | F01 | 5 | 40. | 40. | 50 | 59. | 80 | 246. | 246. | 246. | 246. | | | | |
| 186 Pryor | 180 | F01 | 77 | 19. | 49. | 79. | 91. | 105. | 137. | 163. | 211. | 211. | 94. | 37.52 | 85.70 | 1.57 |
| | 181 | F01 | 107 | 7. | 27. | 56. | 75. | 93. | 118. | 136. | 196. | 208. | | | | |
| 186 Rogers Co | 194 | F01 | 18 | 7. | 13. | 16. | 17. | 24. | 35. | 79. | 79. | 79. | | | | |
| 186 Sapulpa | 142 | F01 | 61 | 32. | 54. | 70. | 85. | 108. | 139. | 159. | 168. | 168. | 91. | 34.93 | 84.46 | 1.51 |
| 186 Tulsa | 001 | A01 | 25 | 3. | 37. | 49. | 56. | 66. | 90. | 108. | 143. | 143. | 61 | 27.82 | 52.29 | 2.01 |
| | 110 | F01 | 110 | 19. | 31. | 44 | 54. | 61. | 86. | 129. | 192. | 243. | 60. | 33.38 | 54.00 | 1.56 |
| | 111 | F01 | 105 | 1[illegible] | 51. | 83. | 121. | 159. | 284. | 350. | 528. | 557. | 145. | 104.10 | 117.11 | 1.95 |
| | 112 | F01 | 131 | 2[illegible] | 44. | 61. | 80. | 101. | 140. | 157. | 317. | 878. | 92. | 80.30 | 79.34 | 1.65 |
| | 116 | F01 | 121 | 27. | 55. | 80. | 98 | 129. | 182. | 207. | 384. | 608. | 115. | 71.81 | 100.65 | 1.65 |
| | 117 | F01 | 47 | 44. | 52. | 72. | 86 | 103. | 132. | 151. | 195. | 195. | | | | |
| | 120 | F01 | 110 | 22 | 45. | 59. | 76. | 96. | 132. | 184. | 250. | 647. | | | | |
| | 125 | F01 | 104 | 14. | 33. | 46. | 58. | 76. | 109. | 141. | 229. | 557 | 70. | 59.47 | 59.39 | 1.71 |
| 187 Alva | 870 | F01 | 12 | 22. | 35. | 43. | 65. | 78. | 84. | 254. | 254. | 254. | | | | |
| 187 Clinton | 850 | F01 | 71 | 13. | 28. | 41. | 52 | 67. | 82. | 94. | 107. | 107. | | | | |
| 187 Woodward | 800 | F01 | 53 | 1. | 26. | 51. | 66 | 79. | 115. | 129. | 329. | 329. | | | | |
| 188 Ada | 243 | F01 | 94 | 7. | 25. | 38. | 51. | 63. | 89. | 101. | 177. | 177. | 55. | 28.21 | 48.56 | 1.69 |
| | 244 | F01 | 1 | 45. | 45. | 45. | 45. | 45. | 45. | 45. | 45. | 45. | | | | |
| 188 Ardmore | 290 | F01 | 19 | 36. | 40. | 68. | 86. | 105 | 142. | 167. | 167. | 167. | | | | |
| | 292 | F01 | 60 | 18. | 31. | 48. | 63. | 82. | 106. | 107. | 121. | 121. | 65. | 27.23 | 59.08 | 1.61 |
| 188 Atoka | 370 | F01 | 1 | 69. | 69. | 69. | 69. | 69. | 69. | 69. | 69. | 69. | | | | |
| | 371 | F01 | 9 | 36. | 36. | 47. | 73. | 94. | 186. | 186. | 186. | 186. | | | | |
| 188 Durant | 381 | F01 | 80 | 15. | 39. | 59. | 80. | 96. | 135. | 167. | 209. | 209. | | | | |
| 188 Garvin Co | 276 | F01 | 4 | 42. | 42. | 79. | 79. | 190. | 190. | 190. | 190. | 190. | | | | |
| 188 Hugo | 390 | F01 | 90 | 13. | 46. | 75. | 85. | 100. | 151. | 213. | 651. | 651. | 101. | 81.88 | 85.16 | 1.76 |
| 188 Johnston Co | 321 | F01 | 1 | 64. | 64. | 64. | 64. | 64. | 64. | 64. | 64. | 64. | | | | |
| 188 Mc Alester | 410 | F01 | 114 | 5. | 29. | 48. | 61 | 74. | 116. | 166. | 297. | 350. | 71. | 50.61 | 59.48 | 1.82 |
| 188 Mc Intosh Co | 420 | F01 | 32 | 1. | 22 | 30 | 35. | 47. | 72 | 149. | 166. | 166. | 44. | 33.38 | 34.69 | 2.30 |
| 188 Murray Co | 281 | F01 | 25 | 47. | 60. | 112. | 146 | 340. | 627. | 832 | 1022. | 1022. | | | | |
| 188 Pauls Valley | 270 | F01 | 3 | 64. | 64. | 64. | 86. | 161. | 161. | 161. | 161. | 161. | | | | |
| | 277 | F01 | 22 | 49. | 53. | 66. | 93 | 103. | 130. | 137. | 226. | 226. | | | | |
| 188 Seminole | 330 | F01 | 39 | 7. | 22. | 37 | 52. | 65. | 77. | 95. | 100. | 100. | | | | |
| 188 Sulphur | 280 | F01 | 45 | 16 | 26 | 46. | 61. | 70. | 91. | 92. | 118. | 118. | | | | |
| 189 Altus | 750 | F01 | 7 | 38. | 38 | 89. | 95. | 101 | 213. | 213. | 213. | 213. | | | | |
| 189 Anadarko | 690 | F01 | 88 | 6. | 21. | 39. | 60 | 77. | 128. | 137. | 227. | 227. | 65. | 42.45 | 52.46 | 2.04 |
| 189 Duncan | 660 | F01 | 7 | 13. | 13. | 41. | 45. | 46. | 112. | 112. | 112. | 112. | | | | |
| | 661 | F01 | 1 | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | | | | |
| 189 Frederick | 700 | F01 | 31 | 24. | 29. | 37. | 53. | 63. | 77. | 126. | 130. | 130. | | | | |
| 189 Hobart | 710 | F01 | 38 | 34. | 47. | 65. | 83. | 96. | 140. | 143. | 149. | 149. | 85. | 30.20 | 79.32 | 1.45 |
| 189 Hollis | 762 | F01 | 9 | 38. | 38. | 55. | 107. | 121. | 311. | 311. | 311. | 311. | | | | |
| 189 Lawton | 640 | F01 | 60 | 13. | 29. | 61 | 75 | 92. | 122. | 154. | 233. | 233. | | | | |
| | 641 | F01 | 16 | 3. | 43. | 87. | 130 | 163. | 280. | 351. | 351. | 351. | | | | |
| | 646 | F01 | 44 | 17. | 37. | 50. | 62. | 70. | 88. | 92. | 133. | 133. | | | | |
| | 650 | F01 | 1 | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | | | | |
| 189 Mangum | 740 | F01 | 2 | 41. | 41. | 41. | 41. | 82. | 82. | 82. | 82. | 82. | | | | |
| 189 Sayre | 732 | F01 | 49 | 15. | 53. | 82. | 107 | 139. | 222 | 317. | 1190. | 1190. | 143. | 169.65 | 108.42 | 1.99 |
| **OREGON** | | | | | | | | | | | | | | | | |
| 190 Bend | 001 | F01 | 104 | 16. | 29. | 38. | 49. | 61. | 89. | 111. | 130. | 162. | 55. | 24.68 | 49.47 | 1.57 |
| 190 The Dalles | 001 | F01 | 106 | 17. | 25 | 36. | 47. | 70. | 97. | 111. | 167. | 190. | 57. | 31.22 | 49.52 | 1.67 |
| 190 Eugene | 003 | F01 | 109 | 13. | 30. | 54 | 83. | 107. | 168. | 185. | 282. | 397. | 92. | 59.24 | 75.74 | 1.90 |
| 190 Klamath Falls | 001 | F01 | 74 | 24. | 32. | 70. | 87. | 107. | 141. | 160. | 207. | 207. | | | | |
| | 002 | F03 | 109 | 3. | 14. | 22. | 28. | 44. | 59. | 62. | 104. | 173. | 36. | 23.39 | 29.56 | 1.87 |
| 191 Baker | 001 | F01 | 92 | 25. | 41. | 54. | 73. | 83. | 105. | 111. | 139. | 139. | 72. | 24.76 | 67.25 | 1.45 |
| 191 La Grande | 001 | F01 | 46 | 8. | 15. | 23. | 32. | 53. | 73. | 99. | 119. | 119. | | | | |
| 191 Pendleton | 001 | F01 | 93 | 25. | 47. | 58. | 81. | 94. | 137. | 164. | 504. | 504. | 89. | 61.28 | 77.89 | 1.63 |
| 192 Astoria | 001 | F01 | 103 | 17. | 24. | 29. | 36. | 43. | 61. | 75. | 116. | 156. | 40. | 20.00 | 37.01 | 1.49 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **OREGON — Cont.** | | | | | | | | | | | | | | | | |
| 193 Albany | 002 | F01 | 3 | 18. | 18. | 18. | 28. | 69. | 69. | 69. | 69. | 69. | | | | |
| 193 Beaverton | 002 | F01 | 108 | 14. | 20. | 32. | 49. | 67. | 106. | 163. | 256. | 287. | 61. | 49.73 | 48.38 | 1.93 |
| 193 Clackamas Co | 002 | F01 | 59 | 3. | 13. | 24. | 39. | 49. | 88. | 99. | 127. | 127. | 44. | 27.56 | 34.72 | 2.09 |
| | 003 | F01 | 103 | 9. | 17. | 39. | 59. | 91. | 133. | 169. | 184. | 195. | 71. | 47.06 | 54.77 | 2.18 |
| 193 Columbia Co | 001 | I01 | 7 | 9. | 9. | 11. | 14. | 17. | 33. | 33. | 33. | 33. | | | | |
| | 005 | F02 | 84 | 4. | 15. | 22. | 32. | 41. | 56. | 72. | 105. | 105. | | | | |
| 193 Corvallis | 001 | F01 | 58 | 14. | 21. | 32. | 42. | 61. | 89. | 108. | 116. | 116. | 49. | 25.58 | 43.16 | 1.70 |
| 193 Dallas | 002 | F01 | 21 | 17. | 26. | 28. | 37. | 47. | 62. | 67. | 82. | 82. | | | | |
| 193 Eugene | 004 | F03 | 136 | 3. | 11. | 21. | 36. | 51. | 82. | 94. | 120. | 141. | 40. | 27.36 | 31.20 | 2.18 |
| 193 Gresham | 001 | I01 | 7 | 13. | 13. | 19. | 27. | 27. | 51. | 51. | 51. | 51. | | | | |
| 193 Hillsboro | 002 | F03 | 79 | 4. | 11. | 16. | 27. | 45. | 65. | 70. | 100. | 100. | 33. | 21.90 | 25.87 | 2.06 |
| 193 Lake Oswego | 001 | F01 | 105 | 16. | 30. | 46. | 70. | 107. | 162. | 186. | 286. | 287. | 85. | 55.88 | 68.78 | 1.94 |
| 193 Lane Co | 003 | F01 | 104 | 11. | 28. | 42. | 57. | 77. | 109. | 120. | 183. | 204. | 63. | 34.13 | 54.86 | 1.74 |
| 193 Lebanon | 001 | F01 | 13 | 24. | 37. | 45. | 74. | 92. | 105. | 136. | 136. | 136. | | | | |
| 193 Milwaukie | 001 | F01 | 103 | 14. | 22. | 37. | 52. | 76. | 96. | 113. | 169. | 213. | 59. | 34.48 | 50.06 | 1.77 |
| 193 Multnomah Co | 002 | F03 | 90 | 5. | 10. | 26. | 39. | 54. | 80. | 93. | 140. | 140. | 44. | 27.76 | 34.16 | 2.14 |
| 193 Oregon City | 002 | F02 | 88 | 16. | 25. | 38. | 54. | 89. | 156. | 171. | 208. | 208. | 73. | 48.60 | 58.56 | 1.94 |
| | 006 | I01 | 7 | 10. | 10. | 12. | 12. | 19. | 50. | 50. | 50. | 50. | | | | |
| 193 Portland | 001 | A01 | 21 | 14. | 50. | 64. | 75. | 111. | 171. | 192. | 232. | 232. | | | | |
| | 003 | F01 | 88 | 12. | 23. | 33. | 46. | 69. | 111. | 129. | 182. | 182. | 58. | 35.54 | 48.24 | 1.83 |
| | 011 | F02 | 91 | 14. | 33. | 55. | 94. | 118. | 163. | 178. | 256. | 256. | 93. | 50.96 | 77.91 | 1.90 |
| | 015 | F02 | 91 | 25. | 40. | 57. | 93. | 126. | 178. | 228. | 271. | 271. | 102. | 57.90 | 86.36 | 1.80 |
| | 017 | I01 | 7 | 7. | 7. | 10. | 11. | 13. | 39. | 39. | 39. | 39. | | | | |
| | 019 | I01 | 7 | 19. | 19. | 25. | 32. | 35. | 85. | 85. | 85. | 85. | | | | |
| | 022 | F01 | 90 | 7. | 12. | 17. | 25. | 40. | 57. | 70. | 91. | 91. | 32. | 19.49 | 26.02 | 1.90 |
| | 023 | F02 | 91 | 12. | 24. | 44. | 66. | 93. | 133. | 151. | 195. | 195. | 74. | 42.95 | 61.68 | 1.91 |
| | 027 | F02 | 89 | 9. | 21. | 39. | 57. | 77. | 125. | 134. | 176. | 176. | 64. | 38.61 | 53.10 | 1.92 |
| | 036 | F02 | 91 | 10. | 24. | 36. | 53. | 69. | 123. | 141. | 303. | 303. | 64. | 44.88 | 52.81 | 1.86 |
| | 037 | I01 | 6 | 16. | 16. | 21. | 23. | 38. | 40. | 40. | 40. | 40. | | | | |
| 193 St Helens | 001 | I01 | 3 | 17. | 17. | 17. | 18. | 19. | 19. | 19. | 19. | 19. | | | | |
| 193 Salem | 004 | F01 | 35 | 16. | 18. | 32. | 36. | 50. | 87. | 145. | 156. | 156. | | | | |
| 193 Springfield | 008 | F02 | 100 | 10. | 34. | 64. | 98. | 126. | 178. | 218. | 278. | 425. | 108. | 63.81 | 90.30 | 1.87 |
| | 009 | F01 | 157 | 18. | 37. | 67. | 86. | 110. | 163. | 212. | 242. | 246. | 94. | 49.68 | 81.86 | 1.74 |
| 193 Woodburn | 004 | F01 | 23 | 10. | 12. | 20. | 36. | 55. | 67. | 68. | 72. | 72. | | | | |
| 194 Ashland | 001 | F01 | 110 | 19. | 27. | 44. | 63. | 75. | 103. | 139. | 215. | 237. | 66. | 36.96 | 57.98 | 1.69 |
| 194 Coos Bay | 001 | F01 | 49 | 14. | 27. | 43. | 62. | 71. | 105. | 108. | 185. | 185. | | | | |
| 194 Curry Co | 001 | A03 | 18 | 12. | 24. | 46. | 55. | 67. | 85. | 98. | 98. | 98. | | | | |
| 194 Grants Pass | 001 | F01 | 87 | 18. | 29. | 43. | 56. | 85. | 131. | 136. | 246. | 246. | 69. | 41.54 | 59.05 | 1.76 |
| 194 Medford | 001 | A01 | 16 | 29. | 49. | 57. | 79. | 106. | 155. | 190. | 190. | 190. | | | | |
| | 001 | F01 | 84 | 21. | 40. | 62. | 82. | 112. | 143. | 192. | 226. | 226. | 90. | 45.80 | 78.93 | 1.72 |
| 194 Roseburg | 001 | F01 | 98 | 17. | 25. | 41. | 50. | 66. | 109. | 137. | 185. | 185. | 59. | 34.91 | 51.16 | 1.72 |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 001 | A01 | 24 | 48. | 57. | 82. | 97. | 121. | 164. | 172. | 200. | 200. | 106. | 39.26 | 99.50 | 1.46 |
| | 002 | A10 | 116 | 22. | 76. | 101. | 136. | 168. | 254. | 275. | 314. | 348. | 146. | 64.70 | 132.30 | 1.60 |
| 045 Warminster | 001 | A01 | 17 | 31. | 31. | 45. | 54. | 58. | 98. | 109. | 109. | 109. | | | | |
| 045 West Chester | 001 | A01 | 10 | 46. | 46. | 72. | 76. | 87. | 147. | 178. | 178. | 178. | | | | |
| 151 Allentown | 001 | A01 | 24 | 53. | 60. | 77. | 92. | 106. | 125. | 136. | 180. | 180. | 94. | 29.16 | 89.67 | 1.35 |
| 151 Hazleton | 001 | A01 | 25 | 45. | 60. | 90. | 106. | 148. | 196. | 214. | 383. | 383. | 125. | 70.89 | 110.69 | 1.64 |
| 151 Reading | 001 | A01 | 21 | 69. | 79. | 93. | 125. | 151. | 174. | 174. | 247. | 247. | | | | |
| 151 Scranton | 001 | A01 | 26 | 96. | 107. | 155. | 206. | 277. | 427. | 613. | 870. | 870. | 247. | 170.31 | 210.92 | 1.71 |
| 151 Wilkes-Barre | 001 | A01 | 25 | 50. | 69. | 87. | 108. | 117. | 134. | 166. | 192. | 192. | 105. | 31.87 | 100.52 | 1.35 |
| 178 Clarion Co | 001 | A03 | 26 | 14. | 17. | 25. | 33. | 41. | 58. | 67. | 80. | 80. | 36. | 16.84 | 32.79 | 1.58 |
| 178 Clearfield Co | 001 | A03 | 18 | 14. | 17. | 30. | 38. | 50. | 76. | 158. | 158. | 158. | | | | |
| | 002 | A03 | 16 | 16. | 22. | 34. | 39. | 55. | 73. | 78. | 78. | 78. | | | | |
| 178 Erie | 002 | A01 | 26 | 17. | 37. | 55. | 70. | 96. | 120. | 137. | 218. | 218. | | | | |
| 195 Altoona | 001 | A01 | 26 | 36. | 56. | 90. | 97. | 121. | 186. | 216. | 278. | 278. | 113. | 54.02 | 102.39 | 1.60 |
| 195 Bethlehem | 002 | A01 | 25 | 33. | 46. | 61. | 76. | 87. | 115. | 122. | 143. | 143. | 77. | 26.35 | 72.51 | 1.41 |
| 195 Johnstown | 001 | A01 | 17 | 77. | 77. | 95. | 107. | 112. | 165. | 201. | 201. | 201. | | | | |
| 196 Harrisburg | 001 | A01 | 25 | 44. | 49. | 76. | 89. | 104. | 130. | 135. | 160. | 160. | 89. | 30.07 | 84.33 | 1.43 |
| 196 Lancaster City | 001 | A01 | 16 | 32. | 35. | 75. | 86. | 113. | 127. | 128. | 128. | 128. | | | | |
| 196 York | 001 | A01 | 25 | 45. | 58. | 75. | 92. | 112. | 138. | 178. | 180. | 180. | 97 | 34.73 | 91.59 | 1.42 |
| 197 Indiana Co | 001 | A05 | 21 | 24. | 35. | 52. | 59. | 77. | 93. | 95. | 101. | 101. | | | | |
| | 003 | A05 | 21 | 34. | 37. | 41. | 55. | 72. | 108. | 113. | 113. | 113. | | | | |
| 197 Pittsburgh | 001 | A01 | 23 | 64. | 73. | 88. | 108. | 132. | 221. | 234. | 307. | 307. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PUERTO RICO** | | | | | | | | | | | | | | | | |
| 244 Bayamon | 002 | A01 | 24 | 65. | 75. | 90. | 103. | 121. | 169. | 186. | 199. | 199. | | | | |
| 244 Catano | 002 | A01 | 21 | 95. | 142. | 193. | 210. | 271. | 307. | 390. | 487. | 487. | | | | |
| 244 Guayanilla | 002 | A01 | 26 | 37. | 43. | 51. | 56. | 66. | 88. | 95. | 96. | 96. | 59. | 15.37 | 57.60 | 1.28 |
| 244 Ponce | 002 | A01 | 24 | 49. | 63. | 78. | 88. | 100. | 120. | 127. | 146. | 146. | 89. | 22.46 | 86.67 | 1.29 |
| 244 San Juan | 001 | A01 | 23 | 59. | 65. | 81. | 95. | 106. | 134. | 135. | 150. | 150. | | | | |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Bristol | 001 | F01 | 39 | 3. | 35. | 47. | 61. | 72. | 94. | 98. | 177. | 177. | 62. | 27.81 | 55.20 | 1.82 |
| 120 Burrillville | 001 | F01 | 43 | 14. | 28. | 34. | 47. | 58. | 71. | 76. | 90. | 90. | 47. | 17.46 | 43.46 | 1.49 |
| 120 Charlestown | 001 | F01 | 47 | 5. | 17. | 30. | 37. | 42. | 60. | 130. | 253. | 253. | 48. | 47.97 | 36.76 | 1.96 |
| 120 Cranston | 001 | F01 | 298 | 11. | 39. | 52. | 61. | 74. | 100. | 115. | 161. | 171. | 66. | 25.18 | 61.02 | 1.47 |
| 120 East Providence | 001 | A01 | 23 | 22. | 39. | 48. | 58. | 73. | 105. | 109. | 111. | 111. | 63. | 23.38 | 59.42 | 1.46 |
| 120 Kent Co | 001 | F01 | 49 | 10. | 18. | 26. | 33. | 42. | 49. | 62. | 92. | 92. | 35. | 15.70 | 31.90 | 1.56 |
| 120 Middletown | 001 | F01 | 44 | 26. | 36. | 58. | 63. | 79. | 108. | 111. | 175. | 175. | 70. | 30.25 | 63.90 | 1.53 |
| 120 Newport | 001 | F01 | 33 | 15. | 39. | 46. | 59. | 71. | 89. | 129. | 129. | 129. | 62. | 25.12 | 57.45 | 1.54 |
| 120 North Kingstown | 002 | F01 | 49 | 5. | 24. | 38. | 51. | 60. | 69. | 93. | 135. | 135. | 51. | 23.37 | 45.15 | 1.76 |
| 120 Pawtucket | 002 | F01 | 360 | 24. | 45. | 56. | 68. | 79. | 99. | 111. | 142. | 187. | 70. | 23.37 | 66.89 | 1.38 |
| 120 Providence | 001 | A01 | 25 | 45. | 49. | 60. | 79. | 113. | 154. | 166. | 172. | 172. | 92. | 38.93 | 84.30 | 1.52 |
| | 005 | F01 | 346 | 16. | 49. | 67. | 79. | 97. | 125. | 146. | 206. | 228. | 85. | 33.60 | 79.35 | 1.47 |
| | 006 | F01 | 50 | 14. | 59. | 75. | 95. | 112. | 138. | 180. | 531. | 531. | 105. | 70.63 | 92.31 | 1.62 |
| | 007 | F01 | 3 | 117. | 117. | 117. | 122. | 130. | 130. | 130. | 130. | 130. | | | | |
| 120 Smithfield | 002 | F01 | 45 | 9. | 28. | 38. | 48. | 55. | 68. | 78. | 164. | 164. | 50. | 25.08 | 45.30 | 1.59 |
| 120 Tiverton | 001 | F01 | 41 | 25. | 44. | 57. | 69. | 80. | 97. | 109. | 149. | 149. | 71. | 26.73 | 66.31 | 1.46 |
| 120 Warwick | 001 | A01 | 10 | 28. | 28. | 48. | 66. | 83. | 112. | 207. | 207. | 207. | | | | |
| | 002 | F01 | 40 | 37. | 50. | 62. | 74. | 85. | 123. | 129. | 175. | 175. | | | | |
| 120 Washington Co | 002 | A03 | 26 | 18. | 21. | 25. | 30. | 43. | 79. | 84. | 91. | 91. | 39. | 20.65 | 35.16 | 1.61 |
| 120 Westerly | 002 | F01 | 49 | 3. | 13. | 22. | 55. | 66. | 107. | 118. | 288. | 288. | 56. | 48.22 | 39.27 | 2.51 |
| | 003 | F01 | 48 | 3. | 20. | 30. | 35. | 40. | 46. | 59. | 113. | 113. | 36. | 18.16 | 32.43 | 1.68 |
| 120 Woonsocket | 001 | F01 | 46 | 10. | 34. | 45. | 58. | 71. | 111. | 117. | 138. | 138. | 62. | 27.48 | 55.92 | 1.64 |
| **SOUTH CAROLINA** | | | | | | | | | | | | | | | | |
| 053 Aiken | 001 | F01 | 21 | 8. | 26. | 38. | 44. | 59. | 83. | 98. | 133. | 133. | | | | |
| 053 Orangeburg | 001 | F01 | 12 | 19. | 23. | 36. | 40. | 84. | 91. | 112. | 112. | 112. | | | | |
| 058 Beaufort | 001 | F01 | 28 | 9. | 19. | 33. | 36. | 42. | 54. | 63. | 79. | 79. | 38. | 14.50 | 35.23 | 1.54 |
| | 006 | F01 | 8 | 15. | 15. | 31. | 35. | 38. | 62. | 62. | 62. | 62. | | | | |
| 058 Beaufort Co | 001 | F01 | 17 | 12. | 12. | 20. | 26. | 35. | 53. | 57. | 57. | 57. | | | | |
| 167 Chester Co | 001 | F01 | 15 | 19. | 19. | 33. | 35. | 45. | 66. | 75. | 75. | 75. | | | | |
| 167 Lancaster | 001 | F01 | 25 | 26. | 38. | 55. | 79. | 102. | 154. | 197. | 245. | 245. | | | | |
| 167 Rock Hill | 001 | F01 | 33 | 25. | 36. | 44. | 62. | 75. | 100. | 117. | 289. | 289. | 71. | 46.11 | 61.93 | 1.63 |
| | 002 | F01 | 18 | 29. | 36. | 50. | 63. | 92. | 122. | 132. | 132. | 132. | | | | |
| 167 York | 001 | F01 | 17 | 24. | 26. | 37. | 60. | 64. | 102. | 145. | 145. | 145. | | | | |
| 167 York Co | 001 | F01 | 4 | 47. | 47. | 72. | 72. | 102. | 103. | 103. | 103. | 103. | | | | |
| | 001 | F03 | 6 | 60. | 60. | 65. | 67. | 85. | 97. | 97. | 97. | 97. | | | | |
| 198 Camden | 001 | F01 | 37 | 12. | 28. | 41. | 53. | 60. | 83. | 99. | 105. | 105. | 53. | 21.69 | 48.26 | 1.58 |
| 198 Sumter | 001 | F01 | 29 | 15. | 26. | 48. | 55. | 72. | 92. | 120. | 142. | 142. | | | | |
| | 002 | F01 | 23 | 13. | 22. | 39. | 51. | 64. | 89. | 107. | 125. | 125. | | | | |
| 199 Charleston | 001 | G01 | 33 | 18. | 24. | 26. | 37. | 45. | 65. | 80. | 85. | 85. | | | | |
| | 002 | G01 | 2 | 52. | 52. | 52. | 52. | 91. | 91. | 91. | 91. | 91. | | | | |
| 199 Charleston Co | 001 | G01 | 2 | 343. | 343. | 343. | 343. | 401. | 401. | 401. | 401. | 401. | | | | |
| | 001 | G05 | 33 | 32. | 65. | 108. | 139. | 212. | 306. | 332. | 535. | 535. | | | | |
| | 002 | G01 | 11 | 42. | 56. | 99. | 109. | 175. | 213. | 239. | 239. | 239. | | | | |
| | 002 | G05 | 73 | 1. | 48. | 72. | 93. | 117. | 150. | 273. | 301. | 301. | 105. | 59.67 | 87.38 | 2.19 |
| | 024 | G01 | 12 | 25. | 28. | 38. | 42. | 103. | 140. | 187. | 187. | 187. | | | | |
| 199 Mount Pleasant | 001 | F01 | 6 | 12. | 12. | 17. | 21. | 34. | 83. | 83. | 83. | 83. | | | | |
| | 001 | G01 | 3 | 25. | 25. | 25. | 37. | 53. | 53. | 53. | 53. | 53. | | | | |
| 200 Cayce | 001 | H01 | 20 | 18. | 30. | 39. | 64. | 76. | 147. | 149. | 149. | 149. | | | | |
| 200 Columbia | 001 | A01 | 11 | 34. | 36. | 45. | 64. | 83. | 95. | 125. | 125. | 125. | | | | |
| | 003 | F01 | 13 | 26. | 30. | 36. | 45. | 90. | 94. | 114. | 114. | 114. | | | | |
| | 003 | H01 | 1 | 94. | 94. | 94. | 94. | 94. | 94. | 94. | 94. | 94. | | | | |
| | 004 | F01 | 14 | 1. | 17. | 48. | 60. | 101. | 125. | 150. | 150. | 150. | | | | |
| | 004 | H01 | 3 | 43. | 43. | 43. | 78. | 109. | 109. | 109. | 109. | 109. | | | | |
| | 005 | F01 | 14 | 19. | 23. | 25. | 36. | 49. | 61. | 87. | 87. | 87. | | | | |
| | 005 | H01 | 1 | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | | | | |
| | 006 | F01 | 20 | 28. | 33. | 46. | 53. | 69. | 85. | 86. | 104. | 104. | | | | |
| | 011 | H01 | 28 | 17. | 20. | 32. | 38. | 46. | 64. | 72. | 80. | 80. | | | | |
| 200 Richland Co | 002 | A03 | 24 | 11. | 20. | 30. | 33. | 43. | 58. | 70. | 75. | 75. | 37. | 15.65 | 33.71 | 1.58 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Agr proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SOUTH CAROLINA — Cont.** | | | | | | | | | | | | | | | | |
| | 002 | F01 | 2 | 32. | 32. | 32. | 32. | 51. | 51. | 51. | 51. | 51. | | | | |
| | 002 | F03 | 18 | 1. | 16. | 30. | 36. | 51. | 57. | 68. | 68. | 68. | | | | |
| | 003 | F01 | 35 | 21. | 30. | 45. | 55. | 79. | 125. | 135. | 194. | 194. | 69. | 39.12 | 59.40 | 1.73 |
| 200 West Columbia | 001 | F01 | 35 | 39. | 52. | 66. | 79. | 93. | 130. | 134. | 140. | 140. | 83. | 27.24 | 78.62 | 1.39 |
| 201 Florence | 001 | F01 | 33 | 19. | 27. | 39. | 46. | 62. | 66. | 86. | 93. | 93. | 49. | 17.62 | 45.62 | 1.46 |
| 202 Anderson | 001 | F01 | 11 | 19. | 53. | 61. | 67. | 83. | 94. | 147. | 147. | 147. | | | | |
| 202 Greenville | 001 | A01 | 26 | 26. | 33. | 48. | 61. | 92. | 141. | 142. | 145. | 145. | 71. | 34.51 | 63.21 | 1.62 |
| | 001 | F01 | 50 | 1. | 36. | 48. | 59. | 77. | 113. | 139. | 222. | 222. | 70. | 38.10 | 58.59 | 2.28 |
| | 002 | G01 | 5 | 26. | 26. | 58. | 108. | 118. | 125. | 125. | 125. | 125. | | | | |
| | 003 | F01 | 4 | 22. | 22. | 31. | 31. | 40. | 79. | 79. | 79. | 79. | | | | |
| | 003 | G01 | 4 | 23. | 23. | 47. | 47. | 48. | 57. | 57. | 57. | 57. | | | | |
| 202 Greenville Co | 001 | F01 | 48 | 1. | 24. | 32. | 40. | 49. | 81. | 88. | 147. | 147. | 46. | 26.28 | 38.71 | 2.18 |
| | 001 | G01 | 5 | 29. | 29. | 29. | 49. | 97. | 106. | 106. | 106. | 106. | | | | |
| | 002 | F01 | 47 | 1. | 35. | 52. | 67. | 85. | 107. | 113. | 156. | 156. | 71. | 30.72 | 60.64 | 2.27 |
| | 002 | G01 | 5 | 31. | 31. | 47. | 78. | 85. | 125. | 125. | 125. | 125. | | | | |
| | 003 | F03 | 47 | 4. | 19. | 26. | 31. | 39. | 55. | 57. | 68. | 68. | 35. | 14.01 | 31.56 | 1.61 |
| | 003 | G01 | 4 | 14. | 14. | 25. | 25. | 28. | 40. | 40. | 40. | 40. | | | | |
| 202 Greer | 001 | F01 | 47 | 1. | 35. | 45. | 57. | 74. | 102. | 107. | 190. | 190. | 62. | 30.87 | 52.58 | 2.25 |
| | 001 | G01 | 5 | 33. | 33. | 42. | 73. | 111. | 144. | 144. | 144. | 144. | | | | |
| 202 Simpsonville | 001 | F01 | 47 | 1. | 17. | 34. | 46. | 58. | 83. | 88. | 107. | 107. | 48. | 24.66 | 39.19 | 2.35 |
| | 001 | G01 | 4 | 16. | 16. | 63. | 63. | 64. | 74. | 74. | 74. | 74. | | | | |
| 202 Spartanburg | 001 | F01 | 35 | 1. | 36. | 56. | 72. | 97. | 105. | 122. | 133. | 133. | 73. | 30.60 | 59.88 | 2.60 |
| 203 Greenwood | 001 | F01 | 21 | 10. | 19. | 35. | 46. | 53. | 66. | 74. | 77. | 77. | | | | |
| 204 Conway | 006 | F01 | 20 | 14. | 15. | 28. | 38. | 46. | 74. | 116. | 195. | 195. | | | | |
| 204 Georgetown | 001 | F01 | 31 | 25. | 46. | 51. | 53. | 79. | 113. | 130. | 163. | 163. | | | | |
| | 002 | F01 | 27 | 35. | 51. | 58. | 70. | 88. | 171. | 174. | 246. | 246. | | | | |
| **SOUTH DAKOTA** | | | | | | | | | | | | | | | | |
| 087 Sioux Falls | 001 | A01 | 25 | 32. | 41. | 62. | 77. | 101. | 129. | 133. | 165. | 165. | 84. | 32.10 | 77.84 | 1.50 |
| 205 Black Hills Nat Forest | 001 | A03 | 23 | 6. | 7. | 8. | 11. | 24. | 38. | 38. | 46. | 46. | 17. | 12.43 | 13.85 | 1.93 |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 007 Cumberland Co | 001 | A03 | 13 | 23. | 26. | 32. | 40. | 52. | 66. | 83. | 83. | 83. | | | | |
| 018 Memphis | 001 | A01 | 25 | 49. | 50. | 73. | 97. | 113. | 134. | 146. | 199. | 199. | 95. | 36.65 | 88.98 | 1.47 |
| 055 Chattanooga | 001 | A01 | 18 | 68. | 73. | 104. | 129. | 163. | 205. | 291. | 291. | 291. | | | | |
| | 006 | G01 | 47 | 24. | 61. | 73. | 95. | 122. | 148. | 204. | 216. | 216. | | | | |
| | 017 | G01 | 55 | 12. | 19. | 35. | 44. | 70. | 104. | 110. | 147. | 147. | 54. | 30.27 | 45.60 | 1.82 |
| | 018 | G01 | 88 | 23. | 31. | 57. | 88. | 130. | 175. | 235. | 347. | 347. | 103. | 64.55 | 84.37 | 1.92 |
| | 019 | G01 | 44 | 14. | 44. | 76. | 99. | 124. | 148. | 195. | 256. | 256. | | | | |
| | 020 | G01 | 287 | 15. | 63. | 87. | 108. | 131. | 187. | 212. | 294. | 339. | 117. | 51.86 | 106.19 | 1.58 |
| | 021 | G01 | 27 | 10. | 21. | 34. | 44. | 54. | 68. | 68. | 81. | 81. | | | | |
| 055 Hamilton Co | 001 | H01 | 53 | 17. | 31. | 47. | 58. | 68. | 95. | 121. | 194. | 194. | 62. | 29.84 | 55.72 | 1.57 |
| | 002 | G01 | 10 | 30. | 30. | 34. | 48. | 64. | 87. | 118. | 118. | 118. | | | | |
| 207 Knoxville | 002 | A01 | 26 | 39. | 49. | 70. | 82. | 102. | 133. | 156. | 176. | 176. | 89. | 33.45 | 83.45 | 1.44 |
| | 003 | G01 | 37 | 33. | 37. | 61. | 77. | 106. | 128. | 154. | 163. | 163. | | | | |
| | 004 | G01 | 37 | 32. | 43. | 66. | 88. | 119. | 190. | 242. | 316. | 316. | | | | |
| | 005 | G01 | 36 | 11. | 32. | 46. | 66. | 103. | 150. | 198. | 234. | 234. | | | | |
| | 006 | G01 | 36 | 11. | 34. | 53. | 65. | 87. | 133. | 159. | 160. | 160. | | | | |
| | 007 | G01 | 37 | 23. | 38. | 59. | 72. | 98. | 183. | 274. | 357. | 357. | | | | |
| | 008 | G01 | 37 | 29. | 40. | 58. | 87. | 114. | 249. | 280. | 321. | 321. | | | | |
| 208 Nashville | 001 | A01 | 18 | 52. | 71. | 81. | 92. | 121. | 201. | 213. | 213. | 213. | | | | |
| **TEXAS** | | | | | | | | | | | | | | | | |
| 022 Texarkana | 001 | F01 | 24 | 19. | 40. | 57. | 66. | 75. | 96. | 103. | 128. | 128. | 67. | 22.90 | 63.14 | 1.47 |
| 022 Tyler | 002 | F01 | 27 | 22. | 25. | 38. | 43. | 53. | 65. | 65. | 78. | 78. | 45. | 13.79 | 42.69 | 1.38 |
| 106 Beaumont | 001 | A01 | 18 | 34. | 41. | 50. | 65. | 71. | 79. | 110. | 110. | 110. | | | | |
| | 001 | F01 | 27 | 34. | 41. | 60. | 67. | 76. | 110. | 112. | 113. | 113. | 68. | 20.92 | 65.14 | 1.37 |
| | 005 | G01 | 34 | 28. | 50. | 92. | 105. | 147. | 271. | 275. | 286. | 286. | 131. | 72.03 | 112.44 | 1.78 |
| 106 Groves | 004 | G01 | 29 | 23. | 56. | 64. | 79. | 104. | 138. | 148. | 178. | 178. | | | | |
| 106 Nederland | 003 | G01 | 39 | 18. | 39. | 47. | 59. | 73. | 109. | 122. | 151. | 151. | 68. | 29.27 | 61.91 | 1.54 |
| 106 Orange | 001 | F01 | 28 | 2. | 38. | 56. | 67. | 73. | 107. | 126. | 150. | 150. | 70. | 27.06 | 65.14 | 1.44 |
| 106 Port Arthur | 001 | F01 | 17 | 18. | 35. | 41. | 48. | 54. | 70. | 89. | 89. | 89. | | | | |
| | 005 | G02 | 38 | 26. | 40. | 61. | 75. | 100. | 123. | 143. | 145. | 145. | 81. | 32.17 | 74.68 | 1.53 |
| 106 Port Neches | 002 | G01 | 39 | 30. | 43. | 63. | 72. | 94. | 120. | 153. | 163. | 163. | 80. | 31.03 | 74.39 | 1.48 |
| | 003 | G01 | 7 | 33. | 33. | 51. | 51. | 53. | 85. | 85. | 85. | 85. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TEXAS — Cont.** | | | | | | | | | | | | | | | | |
| | 005 | G01 | 25 | 24 | 29. | 42. | 49. | 58. | 90. | 102. | 102. | 102. | | | | |
| | 006 | G01 | 33 | 21. | 38. | 56. | 75. | 90. | 115. | 124. | 151. | 151. | | | | |
| 153 El Paso | 002 | A01 | 22 | 49. | 84. | 105. | 121. | 157. | 216. | 287. | 351. | 351. | | | | |
| | 002 | G01 | 90 | 62 | 84. | 118. | 147. | 173. | 255. | 325. | 736. | 736. | 168. | 105.13 | 149.51 | 1.58 |
| | 007 | G01 | 98 | 20. | 40. | 63. | 80. | 120. | 220. | 332. | 1059. | 1059. | 127. | 157.54 | 89.92 | 2.10 |
| | 008 | G01 | 102 | 33. | 53. | 72. | 91. | 180. | 368. | 891. | 1199. | 1465. | | | | |
| | 010 | G01 | 97 | 21. | 36. | 54. | 74. | 105. | 202. | 266. | 722. | 722. | 105. | 110.07 | 78.83 | 1.98 |
| | 011 | G01 | 97 | 26. | 44. | 61. | 81. | 99. | 218. | 253. | 1030. | 1030. | 115. | 127.70 | 87.63 | 1.92 |
| | 012 | G01 | 17 | 37. | 41. | 62. | 67. | 92. | 119. | 136. | 136. | 136. | | | | |
| | 017 | G01 | 23 | 43. | 56. | 62. | 105. | 141. | 159. | 159. | 179. | 179. | | | | |
| | 018 | G01 | 57 | 10. | 66. | 152. | 208. | 293. | 358. | 749. | 815. | 815. | | | | |
| | 019 | G01 | 87 | 39. | 56. | 87. | 109. | 149. | 245. | 337. | 1076. | 1076. | 157. | 174.27 | 120.61 | 1.89 |
| | 020 | G01 | 33 | 30. | 32. | 45. | 63. | 86. | 143. | 166. | 185. | 185. | | | | |
| | 023 | G02 | 29 | 15. | 51. | 73. | 89. | 141. | 193. | 206. | 299. | 299. | | | | |
| 210 Abilene | 001 | F01 | 27 | 14. | 33. | 51. | 65. | 73. | 105. | 117. | 134. | 134. | | | | |
| 210 Wichita Falls | 001 | A01 | 24 | 16. | 38. | 59. | 79. | 95. | 120. | 150. | 185. | 185. | | | | |
| | 002 | F01 | 30 | 3. | 16. | 58. | 76. | 95. | 120. | 150. | 185. | 185. | 80. | 42.50 | 62.52 | 2.51 |
| 211 Amarillo | 001 | F01 | 14 | 50. | 53. | 86. | 88. | 105. | 143. | 146. | 146. | 146. | | | | |
| | 002 | A01 | 10 | 50. | 50. | 75. | 89. | 99. | 108. | 129. | 129. | 129. | | | | |
| | 002 | F01 | 17 | 3. | 10. | 67. | 88. | 99. | 143. | 146. | 146. | 146. | | | | |
| 211 Lubbock | 001 | A01 | 21 | 37. | 53. | 79. | 96. | 127. | 178. | 187. | 189. | 189. | | | | |
| | 001 | F01 | 37 | 26. | 48. | 76. | 89. | 127. | 178. | 190. | 229. | 229. | 101. | 49.17 | 89.78 | 1.68 |
| | 002 | G01 | 69 | 31. | 92. | 132. | 180. | 218. | 326. | 418. | 2048. | 2048. | 215. | 240.18 | 174.36 | 1.78 |
| | 003 | G01 | 73 | 2. | 79. | 116. | 152. | 211. | 269. | 357. | 1921. | 1921. | 189. | 222.98 | 144.69 | 2.16 |
| | 005 | G01 | 72 | 57. | 98. | 118. | 148. | 192. | 283. | 327. | 2587. | 2587. | 201. | 293.72 | 160.41 | 1.68 |
| | 006 | G01 | 72 | 61. | 103. | 167. | 204. | 295. | 425. | 482. | 5214. | 5214. | 307. | 599.70 | 217.55 | 1.91 |
| | 008 | G01 | 75 | 20. | 72. | 115. | 157. | 213. | 264. | 425. | 668. | 668. | 178. | 111.81 | 149.19 | 1.87 |
| | 009 | G01 | 71 | 37. | 93. | 117. | 159. | 210. | 298. | 328. | 3369. | 3369. | 220. | 389.02 | 163.04 | 1.83 |
| | 010 | G02 | 71 | 20. | 96. | 122. | 180. | 213. | 259. | 352. | 2162. | 2162. | 200. | 248.39 | 158.09 | 1.88 |
| | 011 | G01 | 17 | 108. | 162. | 272. | 321. | 429. | 524. | 730. | 730. | 730. | | | | |
| | 012 | G01 | 71 | 24. | 82. | 109. | 149. | 190. | 290. | 372. | 3480. | 3480. | 209. | 403.85 | 146.78 | 1.95 |
| | 013 | G01 | 73 | 14. | 79. | 108. | 138. | 178. | 267. | 412. | 632. | 632. | 161. | 100.93 | 135.74 | 1.86 |
| | 014 | G01 | 76 | 39. | 96. | 123. | 172. | 216. | 283. | 334. | 1566. | 1566. | 195. | 175.77 | 165.91 | 1.67 |
| | 015 | G01 | 73 | 50. | 96. | 116. | 167. | 195. | 260. | 331. | 1409. | 1409. | 183. | 164.46 | 156.18 | 1.65 |
| | 017 | G01 | 75 | 4. | 95. | 124. | 174. | 216. | 321. | 363. | 2702. | 2702. | 214. | 304.47 | 158.07 | 2.17 |
| 211 Lubbock Co | 001 | G01 | 71 | 6. | 21. | 38. | 69. | 98. | 139. | 184. | 230. | 230. | 78. | 51.53 | 58.80 | 2.31 |
| | 003 | G01 | 68 | 16. | 87. | 114. | 138. | 174. | 218. | 222. | 3051. | 3051. | 187. | 357.11 | 136.09 | 1.91 |
| | 004 | G01 | 70 | 27. | 72. | 107. | 123. | 162. | 221. | 245. | 283. | 283. | 139. | 58.10 | 125.33 | 1.62 |
| 211 Slaton | 002 | G01 | 69 | 14. | 83. | 113. | 128. | 153. | 213. | 216. | 267. | 267. | 136. | 49.10 | 123.93 | 1.63 |
| 212 Austin | 002 | A01 | 20 | 30. | 33. | 44. | 56. | 63. | 75. | 98. | 116. | 116. | | | | |
| | 002 | F01 | 34 | 16. | 33. | 45. | 58. | 68. | 94. | 106. | 116. | 116. | 60. | 22.07 | 55.44 | 1.49 |
| | 004 | F01 | 83 | 30. | 46. | 58. | 67. | 82. | 113. | 129. | 171. | 171. | 74. | 27.89 | 69.25 | 1.43 |
| 212 Bryan | 001 | F01 | 8 | 3. | 3. | 38. | 48. | 60. | 79. | 79. | 79. | 79. | | | | |
| 212 San Marcos | 001 | F01 | 28 | 19. | 35. | 40. | 49. | 54. | 79. | 92. | 99. | 99. | | | | |
| 212 Waco | 001 | F01 | 24 | 8. | 33. | 45. | 55. | 72. | 116. | 125. | 152. | 152. | | | | |
| 213 Harlingen | 001 | F01 | 28 | 20. | 36. | 49. | 60. | 84. | 116. | 123. | 291. | 291. | 75. | 50.37 | 64.60 | 1.70 |
| 213 Laredo | 001 | F01 | 24 | 36. | 58. | 107. | 122. | 163. | 257. | 262. | 294. | 294. | 144. | 71.11 | 126.36 | 1.74 |
| | 001 | G01 | 36 | 49. | 86. | 125. | 152. | 194. | 268. | 380. | 382. | 382. | | | | |
| | 002 | G01 | 54 | 7. | 70. | 107. | 122. | 150. | 228. | 291. | 337. | 337. | | | | |
| | 003 | G01 | 66 | 3. | 59. | 116. | 141. | 178. | 246. | 263. | 373. | 373. | | | | |
| | 004 | G01 | 52 | 38. | 104. | 128. | 155. | 197. | 251. | 269. | 342. | 342. | | | | |
| | 005 | G01 | 65 | 2. | 18. | 30. | 44. | 65. | 97. | 116. | 168. | 168. | | | | |
| | 007 | G01 | 62 | 2. | 27. | 48. | 63. | 78. | 105. | 134. | 242. | 242. | | | | |
| | 008 | G01 | 54 | 34. | 74. | 139. | 192. | 224. | 304. | 377. | 393. | 393. | | | | |
| | 009 | G01 | 57 | 11. | 56. | 97. | 133. | 163. | 287. | 343. | 391. | 391. | | | | |
| | 010 | G01 | 44 | 22. | 47. | 91. | 117. | 161. | 243. | 247. | 391. | 391. | | | | |
| | 011 | G01 | 32 | 4. | 66. | 81. | 120. | 131. | 178. | 235. | 238. | 238. | | | | |
| | 012 | G01 | 54 | 10. | 22. | 51. | 65. | 91. | 137. | 173. | 248. | 248. | | | | |
| 213 Mc Allen | 001 | F01 | 37 | 12. | 60. | 80. | 94. | 117. | 157. | 168. | 178. | 178. | 99. | 38.37 | 89.06 | 1.71 |
| 213 Port Isabel | 001 | F01 | 8 | 154. | 154. | 265. | 313. | 368. | 1019. | 1019. | 1019. | 1019. | | | | |
| 213 San Benito | 001 | F01 | 19 | 60. | 61. | 98. | 131. | 211. | 375. | 380. | 380. | 380. | | | | |
| 214 Calhoun Co | 001 | F01 | 18 | 13. | 22. | 31. | 41. | 72. | 124. | 166. | 166. | 166. | | | | |
| 214 Corpus Christi | 001 | A01 | 18 | 35. | 53. | 65. | 69. | 87. | 134. | 140. | 140. | 140. | | | | |
| | 001 | F01 | 36 | 35. | 60. | 69. | 82. | 102. | 140. | 158. | 197. | 197. | 90. | 33.26 | 84.60 | 1.42 |
| | 001 | G01 | 119 | 1. | 40. | 65. | 75. | 94. | 137. | 167. | 352. | 439. | 88. | 56.15 | 74.49 | 1.96 |
| | 003 | F01 | 35 | 19. | 31. | 44. | 51. | 65. | 77. | 92. | 163. | 163. | 56. | 25.48 | 51.46 | 1.51 |
| | 003 | G01 | 95 | 20. | 38. | 47. | 57. | 71. | 96. | 129. | 415. | 415. | 67. | 44.49 | 59.86 | 1.54 |
| | 004 | F02 | 26 | 34. | 63. | 74. | 110. | 131. | 268. | 326. | 436. | 436. | | | | |
| | 005 | G02 | 95 | 22. | 33. | 47. | 59. | 79. | 105. | 122. | 407. | 407. | 69. | 47.38 | 60.65 | 1.62 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **TEXAS — Cont.** | | | | | | | | | | | | | | | | |
| | 006 | G01 | 75 | 13. | 26. | 45. | 65. | 101. | 146. | 173. | 407. | 407. | | | | |
| | 007 | G01 | 74 | 26. | 46. | 57. | 69. | 81. | 106. | 177. | 460. | 460. | | | | |
| | 008 | G01 | 73 | 19. | 35. | 43. | 53. | 68. | 97. | 145. | 419. | 419. | | | | |
| | 009 | G01 | 96 | 20. | 29. | 37. | 52. | 69. | 98. | 137. | 272. | 272. | 60. | 37.11 | 52.38 | 1.64 |
| | 010 | G01 | 76 | 23. | 40. | 52. | 63. | 75. | 102. | 163. | 435. | 435. | | | | |
| | 011 | G01 | 95 | 30. | 46. | 57. | 66. | 84. | 108. | 144. | 405. | 405. | 78. | 46.27 | 70.93 | 1.51 |
| | 012 | F01 | 1 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | |
| | 012 | G01 | 97 | 24. | 45. | 63. | 73. | 88. | 117. | 183. | 427. | 427. | 83. | 51.58 | 73.91 | 1.57 |
| | 013 | G01 | 95 | 27. | 38. | 62. | 71. | 88. | 123. | 218. | 504. | 504. | 88. | 69.11 | 74.74 | 1.70 |
| | 014 | G01 | 75 | 12. | 20. | 33. | 44. | 62. | 87. | 104. | 437. | 437. | | | | |
| | 015 | G01 | 73 | 18. | 32. | 44. | 53. | 75. | 111. | 148. | 426. | 426. | | | | |
| | 016 | G01 | 95 | 35. | 65. | 94. | 122. | 151. | 228. | 278. | 543. | 543. | 139. | 86.80 | 121.46 | 1.66 |
| 215 Dallas | 002 | A01 | 24 | 29. | 50. | 70. | 85. | 100. | 150. | 153. | 171. | 171. | 91. | 37.54 | 83.41 | 1.56 |
| | 002 | H01 | 114 | 10. | 55. | 73. | 84. | 98. | 129. | 202. | 550. | 599. | 99. | 72.53 | 87.13 | 1.58 |
| | 003 | H01 | 156 | 16. | 42. | 62. | 77. | 97. | 138. | 167. | 668. | 770. | 93. | 82.36 | 78.36 | 1.72 |
| | 004 | H01 | 133 | 3. | 43. | 57. | 65. | 77. | 105. | 131. | 518. | 686. | | | | |
| | 005 | H01 | 131 | 27. | 59. | 96. | 115. | 135. | 184. | 264. | 509. | 537. | | | | |
| | 008 | H01 | 143 | 18. | 38. | 61. | 72. | 85. | 116. | 127. | 170. | 547. | 77. | 48.31 | 69.73 | 1.54 |
| | 011 | H01 | 127 | 26. | 60. | 83. | 99. | 121. | 161. | 171. | 618. | 638. | | | | |
| | 012 | H01 | 135 | 44. | 74. | 102. | 128. | 154. | 202. | 265. | 717. | 936. | | | | |
| | 018 | H01 | 147 | 16. | 48. | 73. | 91. | 122. | 195. | 304. | 551. | 640. | 117. | 94.37 | 96.09 | 1.82 |
| | 020 | H01 | 162 | 18. | 43. | 64. | 76. | 89. | 109. | 130. | 563. | 644. | 84. | 65.55 | 73.81 | 1.58 |
| | 023 | H01 | 160 | 19. | 50. | 73. | 95. | 115. | 149. | 175. | 472. | 632. | 103. | 64.70 | 91.03 | 1.64 |
| | 027 | H01 | 163 | 19. | 60. | 104. | 148. | 219. | 470. | 738. | 995. | 1269. | 215. | 208.67 | 153.65 | 2.24 |
| | 028 | H01 | 155 | 12. | 30. | 46. | 55. | 66. | 86. | 105. | 455. | 524. | 64. | 54.48 | 54.78 | 1.65 |
| | 029 | H01 | 158 | 14. | 41. | 57. | 68. | 78. | 117. | 149. | 538. | 704. | 80. | 70.73 | 67.84 | 1.67 |
| | 035 | H01 | 153 | 15. | 33. | 49. | 59. | 74. | 94. | 102. | 455. | 489. | 68. | 52.80 | 59.05 | 1.61 |
| | 036 | H01 | 131 | 21. | 57. | 77. | 88. | 110. | 146. | 163. | 637. | 676. | | | | |
| | 038 | H01 | 153 | 13. | 30. | 47. | 68. | 89. | 132. | 156. | 386. | 435. | 77. | 53.99 | 64.30 | 1.82 |
| | 039 | H01 | 119 | 10. | 38. | 51. | 60. | 71. | 90. | 116. | 526. | 528. | | | | |
| | 040 | H01 | 154 | 13. | 30. | 41. | 53. | 64. | 97. | 117. | 632. | 707. | 66. | 75.38 | 53.75 | 1.73 |
| 215 Fort Worth | 001 | A01 | 26 | 43. | 46. | 62. | 71. | 84. | 120. | 127. | 132. | 132. | 77. | 24.21 | 73.11 | 1.36 |
| | 001 | H01 | 22 | 41. | 77. | 93. | 103. | 145. | 160. | 171. | 197. | 197. | | | | |
| | 004 | H01 | 78 | 26. | 34. | 45. | 52. | 66. | 101. | 119. | 202. | 202. | | | | |
| | 005 | H01 | 25 | 25. | 49. | 68. | 86. | 111. | 157. | 277. | 314. | 314. | | | | |
| | 006 | H01 | 92 | 19. | 40. | 68. | 79. | 109. | 199. | 252. | 666. | 666. | 106. | 84.41 | 86.63 | 1.85 |
| | 007 | H01 | 93 | 21. | 45. | 57. | 76. | 95. | 122. | 142. | 235. | 235. | 79. | 33.57 | 72.55 | 1.52 |
| | 008 | H01 | 28 | 41. | 49. | 69. | 78. | 107. | 138. | 151. | 205. | 205. | | | | |
| | 011 | H01 | 88 | 6. | 29. | 41. | 52. | 71. | 89. | 112. | 261. | 261. | 60. | 37.07 | 51.48 | 1.83 |
| | 012 | H01 | 92 | 19. | 32. | 45. | 57. | 72. | 104. | 142. | 882. | 882. | 73. | 92.56 | 58.59 | 1.76 |
| | 013 | H01 | 22 | 24. | 36. | 55. | 72. | 95. | 124. | 134. | 791. | 791. | | | | |
| | 015 | H01 | 25 | 18. | 43. | 59. | 80. | 97. | 208. | 212. | 765. | 765. | | | | |
| | 016 | H01 | 91 | 9. | 36. | 49. | 62. | 86. | 110. | 133. | 147. | 147. | 69. | 30.69 | 62.20 | 1.63 |
| | 017 | H01 | 101 | 12. | 20. | 29. | 37. | 49. | 72. | 83. | 211. | 861. | 51. | 85.49 | 38.55 | 1.83 |
| | 018 | H01 | 117 | 15. | 40. | 56. | 69. | 81. | 112. | 127. | 188. | 254. | 72. | 31.89 | 66.60 | 1.50 |
| | 019 | H01 | 81 | 19. | 47. | 67. | 92. | 109. | 147. | 177. | 242. | 242. | | | | |
| | 021 | H02 | 53 | 1. | 1. | 2. | 15. | 60. | 100. | 179. | 451. | 451. | | | | |
| | 061 | H01 | 81 | 16. | 38. | 56. | 73. | 84. | 119. | 141. | 188. | 188. | | | | |
| | 066 | H01 | 80 | 9. | 36. | 52. | 61. | 71. | 95. | 101. | 129. | 129. | | | | |
| | 067 | H01 | 81 | 26. | 34. | 49. | 60. | 83. | 102. | 123. | 200. | 200. | | | | |
| | 069 | H01 | 81 | 24. | 41. | 68. | 82. | 95. | 126. | 149. | 229. | 229. | | | | |
| 216 Baytown | 001 | F01 | 28 | 13. | 15. | 28. | 33. | 45. | 69. | 81. | 83. | 83. | 39. | 20.36 | 34.44 | 1.70 |
| | 002 | F01 | 31 | 12. | 28. | 43. | 56. | 65. | 85. | 87. | 110. | 110. | 56. | 22.13 | 50.64 | 1.63 |
| | 003 | F01 | 30 | 25. | 40. | 49. | 58. | 65. | 87. | 128. | 150. | 150. | 64. | 26.29 | 59.58 | 1.44 |
| 216 Chambers Co | 001 | F03 | 27 | 19. | 21. | 29. | 36. | 51. | 69. | 70. | 79. | 79. | 43. | 17.84 | 39.07 | 1.53 |
| | 002 | F01 | 27 | 21. | 28. | 39. | 51. | 66. | 77. | 79. | 97. | 97. | 53. | 20.09 | 49.00 | 1.49 |
| | 003 | F01 | 27 | 23. | 48. | 57. | 74. | 97. | 165. | 206. | 237. | 237. | 88. | 49.58 | 77.75 | 1.66 |
| 216 Clute City | 002 | F01 | 28 | 36. | 61. | 86. | 105. | 121. | 152. | 178. | 197. | 197. | 106. | 36.00 | 99.66 | 1.45 |
| 216 Deer Park | 001 | H01 | 117 | 1. | 43. | 60. | 74. | 91. | 125. | 143. | 166. | 177. | 78 | 32.34 | 67.73 | 2.14 |
| 216 Galveston | 001 | F01 | 37 | 23. | 31. | 38. | 48. | 66. | 85. | 104. | 203. | 203. | 56. | 32.17 | 50.23 | 1.57 |
| 216 Houston | 001 | A01 | 26 | 49. | 55. | 76. | 104. | 122. | 135. | 152. | 180. | 180. | 101. | 33.34 | 95.33 | 1.42 |
| | 002 | H01 | 83 | 24. | 55. | 75. | 100. | 132. | 182. | 193. | 220. | 220. | | | | |
| | 003 | H01 | 119 | 10. | 52. | 73. | 90. | 105. | 137. | 162. | 181. | 190. | 92. | 32.97 | 85.64 | 1.50 |
| | 004 | H01 | 126 | 1. | 32. | 40. | 49. | 63. | 79. | 91. | 102. | 133. | 53. | 20.42 | 47.99 | 1.74 |
| | 005 | H01 | 129 | 20. | 45. | 67. | 83. | 105. | 148. | 161. | 300. | 428. | 93. | 52.10 | 82.10 | 1.64 |
| | 006 | H01 | 135 | 23. | 41. | 56. | 71. | 89. | 119. | 129. | 140. | 211. | 75. | 30.70 | 68.95 | 1.52 |
| | 007 | H01 | 76 | 1. | 35. | 49. | 59. | 77. | 97. | 105. | 120. | 120. | | | | |
| | 008 | H01 | 61 | 8. | 31. | 37. | 48. | 57. | 81. | 84. | 94. | 94. | | | | |
| | 009 | H01 | 94 | 8. | 42. | 60. | 71. | 84. | 114. | 127. | 427. | 427. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TEXAS — Cont.** | | | | | | | | | | | | | | | | |
| | 010 | H01 | 106 | 1. | 41. | 54. | 64. | 79. | 105. | 122. | 147. | 348. | 71. | 37.36 | 62.42 | 1.86 |
| | 011 | H01 | 126 | 6. | 34. | 45. | 53. | 70. | 92. | 105. | 124. | 131. | 59. | 24.10 | 54.18 | 1.59 |
| | 012 | H01 | 127 | 9. | 38. | 54. | 66. | 87. | 108. | 138. | 188. | 215. | 73. | 33.92 | 65.73 | 1.64 |
| | 013 | H01 | 88 | 1. | 34. | 52. | 69. | 84. | 107. | 124. | 416. | 416. | 72. | 47.42 | 60.68 | 2.07 |
| | 014 | H01 | 104 | 21. | 56. | 68. | 79. | 95. | 132. | 155. | 207. | 209. | 87. | 34.56 | 80.35 | 1.49 |
| | 015 | H01 | 84 | 13. | 42. | 76. | 107. | 133. | 159. | 168. | 234. | 234. | | | | |
| | 016 | H01 | 124 | 11. | 47. | 82. | 100. | 112. | 148. | 172. | 183. | 196. | 97. | 37.87 | 88.33 | 1.64 |
| | 018 | H01 | 2 | 90. | 90. | 90. | 90. | 128. | 128. | 128. | 128. | 128. | | | | |
| 216 League City | 001 | F01 | 8 | 15. | 15. | 27. | 38. | 53. | 60. | 60. | 60. | 60. | | | | |
| 216 Matagorda Co | 001 | A03 | 23 | 5. | 22. | 30. | 38. | 43. | 85. | 95. | 118. | 118. | 43. | 25.58 | 36.66 | 1.87 |
| 216 Pasadena | 002 | A01 | 25 | 48. | 53. | 66. | 83. | 102. | 126. | 143. | 227. | 227. | 89. | 38.23 | 82.69 | 1.44 |
| | 002 | H01 | 115 | 46. | 55. | 78. | 90. | 118. | 155. | 170. | 210. | 249. | 99. | 38.41 | 92.57 | 1.44 |
| 216 Texas City | 001 | F01 | 26 | 18. | 28. | 48. | 61. | 78. | 94. | 96. | 112. | 112. | 62. | 23.93 | 56.49 | 1.57 |
| 217 Eagle Pass | 003 | F01 | 25 | 72. | 97. | 113. | 136. | 165. | 213. | 217. | 227. | 227. | | | | |
| 217 San Antonio | 001 | A01 | 24 | 10. | 37. | 49. | 55. | 72. | 87. | 110. | 114. | 114. | 61. | 24.02 | 55.26 | 1.64 |
| | 001 | G01 | 119 | 1. | 2. | 5. | 41. | 62. | 98. | 134. | 188. | 487. | 45. | 57.99 | 17.87 | 5.09 |
| | 024 | G01 | 117 | 1 | 2. | 4. | 31. | 72. | 104. | 134. | 147. | 569. | 47. | 65.06 | 16.09 | 5.63 |
| | 026 | G01 | 120 | 1. | 1. | 2. | 13. | 74. | 101. | 117. | 148. | 157. | 42. | 43.88 | 12.73 | 6.87 |
| | 027 | G01 | 114 | 1. | 1. | 2. | 28. | 39. | 56. | 64. | 101. | 232. | 27. | 30.82 | 9.12 | 6.40 |
| | 029 | G01 | 112 | 9. | 28. | 38. | 45. | 58. | 77. | 96. | 317. | 489. | 56. | 53.22 | 47.49 | 1.68 |
| 218 Big Spring | 001 | F01 | 30 | 16. | 29. | 37. | 42. | 51. | 75. | 91. | 95. | 95. | | | | |
| 218 Midland | 001 | F01 | 33 | 17 | 29. | 43. | 53. | 64. | 100. | 206. | 7047. | 7047. | | | | |
| 218 Odessa | 001 | F01 | 36 | 34. | 55. | 64. | 72. | 96. | 220. | 362. | 505. | 505. | 110. | 95.07 | 89.09 | 1.81 |
| 218 San Angelo | 001 | F01 | 14 | 1. | 3. | 13. | 44. | 52. | 85. | 98. | 98. | 98. | | | | |
| 218 Tom Green Co | 001 | A03 | 25 | 10. | 25. | 42. | 56. | 80. | 176. | 232. | 268. | 268. | 82. | 67.65 | 60.47 | 2.24 |
| **UTAH** | | | | | | | | | | | | | | | | |
| 220 Ogden | 001 | A01 | 26 | 42. | 51. | 62. | 83. | 141. | 164. | 215. | 392. | 392. | 109. | 73.67 | 93.48 | 1.71 |
| 220 Salt Lake City | 001 | A01 | 23 | 49. | 52. | 80. | 97. | 114. | 154. | 58. | 175. | 175. | | | | |
| **VERMONT** | | | | | | | | | | | | | | | | |
| 159 Addison Co | 001 | F02 | 49 | 11 | 16. | 28. | 36. | 65. | 104. | 138. | 149. | 149. | 52. | 36.74 | 40.77 | 2.01 |
| 159 Burlington | 001 | A01 | 22 | 28. | 35. | 40. | 46. | 52. | 62. | 83. | 99. | 99. | | | 37 | |
| | 003 | F01 | 160 | 11. | 38. | 55. | 75. | 99. | 139. | 176. | 238. | 285. | 84. | 43.70 | 74.45 | 1.67 |
| | 004 | F01 | 81 | 15. | 21. | 34. | 41. | 51. | 67. | 69. | 89. | 89. | | | | |
| 159 Rutland | 001 | F01 | 240 | 26. | 50. | 75. | 95. | 122. | 206. | 258. | 314. | 346. | 113. | 64.44 | 97.38 | 1.72 |
| | 002 | F01 | 2 | 89. | 89. | 89. | 89. | 222. | 222. | 222. | 222. | 222. | | | | |
| 221 Barre | 001 | F01 | 234 | 19. | 31. | 41. | 55. | 74. | 101. | 122. | 178. | 336. | 63. | 37.08 | 55.83 | 1.63 |
| 221 Brattleboro | 001 | F01 | 230 | 11. | 31. | 47. | 59. | 78. | 113. | 140. | 227. | 282. | 69. | 39.63 | 60.53 | 1.68 |
| 221 Orange Co | 001 | A03 | 31 | 3. | 20. | 25. | 33. | 41. | 48. | 62. | 74. | 74. | 33. | 14.53 | 29.57 | 1.78 |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 047 Alexandria | 004 | H01 | 27 | 25. | 46. | 56. | 76. | 93. | 108. | 118. | 133. | 133. | | | | |
| | 007 | H01 | 62 | 28. | 51. | 70. | 81. | 96. | 109. | 140. | 152. | 152. | | | | |
| | 008 | H01 | 41 | 4. | 9. | 15. | 21. | 36. | 107. | 161. | 230. | 230. | | | | |
| | 009 | H01 | 65 | 24. | 49. | 64. | 77. | 89. | 108. | 128. | 153. | 153. | | | | |
| | 010 | H01 | 67 | 27. | 39. | 56. | 65. | 78. | 107. | 148. | 190. | 190. | | | | |
| | 011 | H01 | 53 | 21. | 47. | 59. | 70. | 87. | 114. | 135. | 226. | 226. | | | | |
| | 012 | H01 | 69 | 27. | 47. | 59. | 72. | 85. | 102. | 110. | 166. | 166. | | | | |
| | 018 | G01 | 57 | 26. | 40. | 54. | 62. | 76. | 106. | 126. | 150. | 150. | | | | |
| 047 Arlington Co | 002 | G01 | 98 | 30. | 39. | 52. | 59. | 66. | 89. | 98. | 142. | 142. | 62 | 19.89 | 58.87 | 1.37 |
| | 003 | G02 | 102 | 32. | 46. | 62. | 74. | 83. | 105. | 110. | 122. | 140. | 74. | 21.86 | 70.54 | 1.36 |
| | 012 | G01 | 102 | 23. | 36. | 49. | 59. | 70. | 91. | 99. | 132. | 161. | 62. | 23.13 | 58.07 | 1.43 |
| 047 Bailey's Crossroads | 007 | G01 | 83 | 23. | 41. | 52. | 62. | 80. | 99. | 116. | 131. | 131. | | | | |
| 047 Fairfax | 003 | G01 | 116 | 19. | 33. | 44. | 54. | 66. | 87. | 102. | 124. | 157. | 58. | 22.83 | 54.03 | 1.46 |
| 047 Fairfax Co | 001 | A01 | 25 | 30. | 33. | 46. | 55. | 63. | 84. | 92. | 98. | 98. | 57. | 18.82 | 53.96 | 1.39 |
| | 005 | G01 | 83 | 21. | 29. | 38. | 48. | 60. | 73. | 78. | 100. | 100. | | | | |
| | 006 | G01 | 30 | 36. | 37. | 47. | 64. | 82. | 113. | 135. | 147. | 147. | | | | |
| | 012 | G01 | 52 | 39. | 44. | 59. | 73. | 90. | 116. | 132. | 141. | 141. | | | | |
| 047 Falls Church | 003 | G01 | 107 | 30. | 43. | 52. | 61. | 73. | 105. | 122. | 154. | 157. | 68. | 25.69 | 64.35 | 1.41 |
| 047 Leesburg | 001 | F02 | 98 | 10. | 26. | 37. | 47. | 56. | 77. | 88. | 274. | 274. | 52. | 33.37 | 45.74 | 1.66 |
| 047 Loudoun Co | 001 | F02 | 20 | 28. | 28. | 43. | 52. | 67. | 80. | 101. | 113. | 113. | | | | |
| | 002 | F02 | 6 | 48. | 48. | 52. | 128. | 185. | 356. | 356. | 356. | 356. | | | | |
| 047 Mc Lean | 010 | G01 | 124 | 18. | 36. | 48. | 57. | 72. | 99. | 105. | 119. | 255. | 63. | 28.22 | 58.50 | 1.50 |
| 047 Manassas | 001 | F01 | 85 | 5. | 40. | 56. | 75. | 95. | 124. | 147. | 245. | 245. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **VIRGINIA — Cont.** | | | | | | | | | | | | | | | | |
| 047 Prince William Co | 006 | F01 | 51 | 6. | 19. | 32. | 46. | 67. | 93. | 105. | 155. | 155. | | | | |
| 047 Woodbridge-Marumsco | 001 | F01 | 80 | 14. | 34. | 47. | 58. | 73. | 93. | 105. | 264. | 264. | 64. | 32.47 | 57.49 | 1.58 |
| | 002 | F01 | 22 | 33. | 44. | 57. | 74. | 104. | 119. | 131. | 141. | 141. | | | | |
| 207 Bristol | 002 | F02 | 51 | 17. | 27. | 40. | 48. | 64. | 81. | 110. | 133. | 133. | | | | |
| | 003 | F01 | 10 | 27. | 27. | 53. | 62. | 63. | 78. | 81. | 81. | 81. | | | | |
| | 004 | F01 | 7 | 55. | 55. | 91. | 97. | 114. | 347. | 347. | 347. | 347. | | | | |
| 207 Gakxx | 005 | F02 | 71 | 20. | 37. | 63. | 84. | 97. | 128. | 131. | 203. | 203. | | | | |
| | 006 | F02 | 10 | 40. | 40. | 58. | 80. | 104. | 162. | 208. | 208. | 208. | | | | |
| 207 Marion | 001 | F01 | 10 | 36. | 36. | 53. | 55. | 57. | 90. | 93. | 93. | 93. | | | | |
| 207 Saltville | 005 | F02 | 10 | 67. | 67. | 73. | 130. | 179. | 207. | 222. | 222. | 222. | | | | |
| 207 Tazewell Co | 002 | F01 | 10 | 23. | 23. | 38. | 44. | 59. | 102. | 158. | 158. | 158. | | | | |
| 207 Wise Co | 002 | F02 | 10 | 31. | 31. | 82. | 120. | 131. | 189. | 219. | 219. | 219. | | | | |
| 207 Wythe Co | 001 | A03 | 26 | 5. | 14. | 18. | 24. | 41. | 47. | 52. | 53. | 53. | 29. | 13.90 | 24.99 | 1.77 |
| 222 Amelia Co | 001 | F02 | 97 | 9. | 29. | 42. | 54. | 65. | 91. | 136. | 271. | 271. | 61. | 37.51 | 52.28 | 1.74 |
| 222 Amherst Co | 004 | F02 | 51 | 13. | 27. | 39. | 52. | 60. | 94. | 102. | 124. | 124. | | | | |
| 222 Bassett | 001 | F02 | 66 | 14. | 60. | 114. | 153. | 206. | 326. | 353. | 446. | 446. | | | | |
| 222 Bedford | 002 | F01 | 17 | 7. | 27. | 47. | 55. | 66. | 99. | 154. | 154. | 154. | | | | |
| | 005 | F02 | 25 | 21. | 34. | 69. | 82. | 95. | 174. | 186. | 215. | 215. | | | | |
| 222 Bedford Co | 002 | F02 | 26 | 21. | 31. | 49. | 58. | 74. | 95. | 96. | 118. | 118. | | | | |
| | 003 | F02 | 18 | 7. | 9. | 14. | 14. | 21. | 36. | 40. | 40. | 40. | | | | |
| 222 Blackstone | 001 | F01 | 80 | 11. | 25. | 40. | 57. | 74. | 114. | 126. | 222. | 222. | 65. | 37.40 | 55.73 | 1.78 |
| 222 Campbell Co | 003 | F01 | 13 | 30. | 34. | 43. | 47. | 66. | 71. | 95. | 95. | 95. | | | | |
| | 005 | F02 | 46 | 7. | 27. | 37. | 48. | 63. | 82. | 113. | 124. | 124. | 54. | 25.09 | 48.36 | 1.68 |
| 222 Danville | 001 | A01 | 20 | 33. | 41. | 61. | 74. | 88. | 121. | 126. | 154. | 154. | | | | |
| | 006 | F02 | 35 | 26. | 44. | 49. | 58. | 68. | 100. | 101. | 103. | 103. | | | | |
| 222 Franklin Co | 002 | F02 | 21 | 18. | 22. | 35. | 42. | 65. | 88. | 98. | 101. | 101. | | | | |
| 222 Lynchburg | 001 | A01 | 25 | 44. | 57. | 85. | 99. | 114. | 153. | 211. | 322. | 322. | 110. | 56.74 | 100.03 | 1.53 |
| | 003 | F01 | 46 | 26. | 54. | 84. | 102. | 121. | 156. | 179. | 308. | 308. | | | | |
| | 009 | F02 | 44 | 45. | 67. | 90. | 117. | 143. | 226. | 270. | 412. | 412. | | | | |
| 222 Martinsville | 005 | F01 | 71 | 28. | 44. | 56. | 73. | 87. | 122. | 165. | 293. | 293. | 80. | 41.36 | 72.84 | 1.54 |
| | 006 | F01 | 15 | 33. | 33. | 55. | 60. | 95. | 131. | 330. | 330. | 330. | | | | |
| 222 Patrick Co | 001 | F02 | 37 | 9. | 28. | 61. | 85. | 101. | 138. | 179. | 274. | 274. | 88. | 51.59 | 73.87 | 1.93 |
| 222 Pittsylvania Co | 002 | F02 | 59 | 21. | 33. | 52. | 67. | 89. | 144. | 169. | 360. | 360. | | | | |
| | 003 | F02 | 30 | 19. | 20. | 36. | 45. | 62. | 108. | 115. | 138. | 138. | | | | |
| 222 South Boston | 003 | F01 | 11 | 13. | 15. | 42. | 54. | 60. | 144. | 165. | 165. | 165. | | | | |
| 223 Chesapeake | 001 | F02 | 2 | 58. | 58. | 58. | 58. | 84. | 84. | 84. | 84. | 84. | | | | |
| | 004 | F02 | 115 | 8. | 41. | 65. | 89. | 121. | 163. | 216. | 333. | 368. | 101. | 60.44 | 85.58 | 1.82 |
| | 005 | F02 | 110 | 14. | 33. | 67. | 94. | 135. | 252. | 473. | 536. | 796. | | | | |
| | 006 | F01 | 2 | 79. | 79. | 79. | 79. | 141. | 141. | 141. | 141. | 141. | | | | |
| 223 Franklin | 002 | F01 | 72 | 12. | 27. | 35. | 47. | 67. | 101. | 134. | 233. | 233. | | | | |
| 223 Hampton | 001 | A01 | 25 | 24. | 38. | 43. | 52. | 63. | 84. | 91. | 103. | 103. | 55. | 18.33 | 52.62 | 1.39 |
| | 003 | F02 | 4 | 52. | 52. | 53. | 53. | 96. | 148. | 148. | 148. | 148. | | | | |
| 223 Nansemond Co | 002 | F02 | 8 | 14. | 14. | 25. | 27. | 36. | 54. | 54. | 54. | 54. | | | | |
| 223 Newport News | 001 | A01 | 25 | 17. | 27. | 38. | 53. | 64. | 71. | 74. | 82. | 82. | 51. | 17.54 | 47.76 | 1.48 |
| | 003 | F01 | 75 | 14. | 37. | 46. | 65. | 86. | 116. | 127. | 282. | 282. | | | | |
| 223 Norfolk | 001 | A01 | 25 | 18. | 47. | 61. | 73. | 100. | 137. | 141. | 189. | 189. | 83. | 37.52 | 74.94 | 1.63 |
| | 007 | F01 | 103 | 20. | 30. | 43. | 56. | 72. | 113. | 131. | 174. | 201. | 64. | 34.31 | 56.86 | 1.64 |
| | 010 | F01 | 36 | 35. | 58. | 90. | 104. | 126. | 155. | 201. | 296. | 296. | | | | |
| | 011 | F01 | 8 | 29. | 29. | 44. | 45. | 57. | 81. | 81. | 81. | 81. | | | | |
| | 012 | F02 | 100 | 19. | 28. | 41. | 56. | 77. | 107. | 115. | 130. | 139. | 63. | 29.36 | 56.00 | 1.62 |
| 223 Portsmouth | 001 | A01 | 22 | 22. | 40. | 58. | 70. | 99. | 143. | 146. | 147. | 147. | | | | |
| 223 Suffolk | 003 | F02 | 6 | 47. | 47. | 59. | 64. | 109. | 142. | 142. | 142. | 142. | | | | |
| 223 Virginia Beach | 003 | F02 | 10 | 28. | 28. | 31. | 37. | 41. | 59. | 86. | 86. | 86. | | | | |
| 223 Williamsburg | 001 | F02 | 5 | 40. | 40. | 59. | 77. | 77. | 106. | 106. | 106. | 106. | | | | |
| 223 York Co | 002 | F02 | 10 | 9. | 9. | 31. | 35. | 47. | 62. | 64. | 64. | 64. | | | | |
| 225 Chesterfield Co | 002 | F02 | 26 | 21. | 25. | 35. | 50. | 73. | 103. | 134. | 141. | 141. | | | | |
| 225 Hopewell | 002 | F02 | 27 | 49. | 69. | 82. | 86. | 101. | 168. | 181. | 188. | 188. | | | | |
| 225 Petersburg | 003 | F01 | 80 | 9. | 52. | 80. | 91. | 108. | 151. | 166. | 343. | 343. | | | | |
| 225 Prince George Co | 001 | F02 | 1 | 39. | 39. | 39. | 39. | 39. | 39. | 39. | 39. | 39. | | | | |
| 225 Richmond | 008 | F01 | 34 | 35. | 54. | 72. | 86. | 106. | 139. | 157. | 184. | 184. | | | | |
| 226 Botetourt Co | 003 | F02 | 70 | 22. | 29. | 49. | 79. | 151. | 327. | 405. | 783. | 783. | | | | |
| 226 Buena Vista | 002 | F02 | 5 | 28. | 28. | 30. | 51. | 78. | 79. | 79. | 79. | 79. | | | | |
| 226 Clarke Co | 001 | F02 | 60 | 18. | 26. | 37. | 45. | 54. | 65. | 73. | 81. | 81. | 46. | 15.08 | 43.45 | 1.42 |
| 226 Frederick Co | 002 | F02 | 56 | 2. | 45. | 68. | 116. | 205. | 276. | 430. | 883. | 883. | | | | |
| | 009 | F02 | 8 | 32. | 32. | 55. | 117. | 153. | 306. | 306. | 306. | 306. | | | | |
| 226 Front Royal | 003 | F02 | 16 | 27. | 31. | 37. | 57. | 82. | 164. | 199. | 199. | 199. | | | | |
| 226 Giles Co | 001 | F02 | 3 | 69. | 69. | 69. | 98. | 452. | 452. | 452. | 452. | 452. | | | | |
| | 005 | F02 | 30 | 19. | 30. | 60. | 71. | 82. | 118. | 161. | 161. | 161. | | | | |
| 226 Lexington | 002 | F01 | 16 | 19. | 22. | 29. | 70. | 85. | 112. | 115. | 115. | 115. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **VIRGINIA — Cont.** | | | | | | | | | | | | | | | | |
| 226 Pulaski | 006 | F02 | 81 | 24. | 40. | 53. | 66. | 82. | 111. | 120. | 156. | 156. | | | | |
| | 007 | F02 | 65 | 18. | 21. | 36. | 51. | 61. | 82 | 93. | 144. | 144. | | | | |
| 226 Radford | 002 | F02 | 12 | 33. | 65. | 80. | 82. | 97. | 125. | 126. | 126. | 126. | | | | |
| 226 Roanoke | 001 | A01 | 25 | 47. | 59. | 69. | 88. | 110. | 138. | 141. | 151. | 151. | 92. | 30.90 | 87.36 | 1.41 |
| 226 Roanoke Co | 003 | G02 | 16 | 19. | 31. | 37. | 61. | 71. | 140. | 247. | 247. | 247. | | | | |
| | 004 | G01 | 29 | 14. | 26. | 51. | 65. | 87. | 130. | 155. | 201. | 201. | | | | |
| | 005 | G01 | 21 | 17. | 24. | 35. | 41. | 52. | 87. | 100. | 102. | 102. | | | | |
| | 006 | G01 | 19 | 14. | 21. | 31. | 38. | 41. | 69. | 69. | 69. | 69. | | | | |
| | 008 | G01 | 15 | 13. | 14. | 26. | 36. | 43. | 55. | 74. | 74. | 74. | | | | |
| | 009 | G01 | 17 | 20. | 24. | 41. | 63. | 72. | 84. | 87. | 87. | 87. | | | | |
| | 013 | G02 | 27 | 14. | 28. | 54. | 62. | 90. | 119. | 120. | 182. | 182. | | | | |
| | 014 | G02 | 25 | 11. | 42. | 56. | 93. | 136. | 150. | 158. | 174. | 174. | | | | |
| | 015 | G01 | 18 | 28. | 29. | 44. | 59. | 77. | 101. | 104. | 104. | 104. | | | | |
| 226 Salem | 001 | G01 | 19 | 35. | 35. | 60. | 78. | 92. | 144. | 172. | 172. | 172. | | | | |
| | 003 | G01 | 20 | 33. | 33. | 58. | 82. | 96. | 123. | 131. | 157. | 157. | | | | |
| 226 Shenandoah Nat Park | 001 | A03 | 26 | 11. | 15. | 21. | 27. | 43. | 51. | 57. | 57. | 57. | 31. | 14.05 | 28.18 | 1.61 |
| 226 Vinton | 001 | G01 | 21 | 32. | 65. | 74. | 84. | 101. | 128. | 186. | 198. | 198. | | | | |
| 226 Waynesboro | 004 | F02 | 69 | 9. | 23. | 39. | 51. | 62. | 87. | 102. | 132. | 132. | | | | |
| | 006 | F02 | 9 | 20. | 20. | 31. | 54. | 57. | 80. | 80. | 80. | 80. | | | | |
| **WASHINGTON** | | | | | | | | | | | | | | | | |
| 062 Adams Co | 001 | F03 | 19 | 6. | 9. | 22. | 41. | 87. | 157. | 245. | 245. | 245. | | | | |
| | 002 | F01 | 22 | 6. | 12. | 19. | 24. | 43. | 116. | 179. | 326. | 326. | | | | |
| 062 Cheney | 001 | I03 | 35 | 2. | 4. | 12. | 23. | 43. | 75. | 112. | 192. | 192. | | | | |
| 062 Clarkston | 001 | F01 | 22 | 43. | 57. | 88. | 116. | 133. | 185. | 210. | 245. | 245. | | | | |
| | 002 | F01 | 15 | 54. | 54. | 92. | 118. | 133. | 211. | 575. | 575. | 575. | | | | |
| 062 Colfax | 001 | F01 | 21 | 3. | 33. | 41. | 62. | 97. | 176. | 181. | 338. | 338. | | | | |
| 062 Ephrata | 001 | F01 | 30 | 13. | 15. | 24. | 27. | 47. | 82. | 172. | 235. | 235. | | | | |
| 062 Grant Co | 001 | F03 | 32 | 5. | 17. | 24. | 31. | 42. | 76. | 96. | 252. | 252. | | | | |
| 062 Lincoln Co | 001 | F01 | 29 | 7. | 16. | 25. | 71. | 120. | 130. | 145. | 155. | 155. | | | | |
| 062 Moses Lake | 001 | F01 | 30 | 16. | 23. | 45. | 57. | 69. | 131. | 162. | 204. | 204. | | | | |
| 062 Spokane | 001 | A01 | 25 | 26. | 40. | 49. | 89. | 116. | 150. | 198. | 291. | 291. | 96. | 58.57 | 81.53 | 1.78 |
| | 011 | F01 | 86 | 26. | 33. | 54. | 70. | 83. | 121. | 144. | 196. | 196. | | | | |
| | 012 | F01 | 64 | 27. | 46. | 70. | 107. | 151. | 215. | 240. | 327. | 327. | | | | |
| 193 Centralia | 001 | I01 | 88 | 7. | 12. | 21. | 28. | 43. | 62. | 68. | 87. | 87. | 33. | 18.87 | 28.08 | 1.84 |
| 193 Kelso | 001 | I01 | 86 | 9. | 15. | 23. | 29. | 40. | 48. | 57. | 77. | 77. | 31. | 13.92 | 28.34 | 1.60 |
| 193 Longview | 002 | I01 | 84 | 17. | 28. | 37. | 48. | 67. | 101. | 122. | 155. | 155. | 58. | 30.97 | 51.07 | 1.66 |
| | 004 | F01 | 89 | 12. | 37. | 52. | 62. | 80. | 114. | 143. | 165. | 165. | 71. | 32.74 | 64.04 | 1.58 |
| 193 Vancouver | 002 | I01 | 80 | 12. | 24. | 38. | 53. | 73. | 116. | 133. | 179. | 179. | 63. | 37.07 | 53.28 | 1.79 |
| | 004 | I01 | 62 | 371. | 491. | 585. | 767. | 1036. | 1322. | 1428. | 1689. | 1689. | | | | |
| 227 Douglas Co | 001 | F01 | 29 | 19. | 22. | 39. | 75. | 101. | 220. | 240. | 255. | 255. | 86. | 68.38 | 63.77 | 2.20 |
| | 002 | F01 | 3 | 25. | 25. | 25. | 38. | 43. | 43. | 43. | 43. | 43. | | | | |
| 227 Okanogan Co | 005 | F01 | 28 | 24. | 32. | 44. | 68. | 84. | 109. | 113. | 135. | 135. | | | | |
| 227 Pend Oreille Co | 005 | F01 | 26 | 22. | 26. | 48. | 69. | 73. | 87. | 96. | 133. | 133. | | | | |
| 227 Wenatchee | 001 | F01 | 89 | 14. | 31. | 45. | 59. | 75. | 104. | 116. | 138. | 138. | 63. | 26.98 | 57.02 | 1.57 |
| 228 Aberdeen | 002 | I01 | 83 | 6. | 18. | 30. | 45. | 56. | 77. | 81. | 209. | 209. | 47. | 28.36 | 40.67 | 1.77 |
| 228 Bellingham | 003 | I01 | 107 | 5. | 16. | 33. | 55. | 92. | 150. | 191. | 349. | 403. | 75. | 66.09 | 53.85 | 2.34 |
| | 004 | I01 | 89 | 7. | 18. | 32. | 53. | 85. | 129. | 145. | 242. | 242. | 66. | 45.31 | 50.58 | 2.18 |
| 228 Grays Harbor Co | 002 | I01 | 87 | 9. | 13. | 23. | 26. | 35. | 49. | 58. | 66. | 66. | 30. | 13.53 | 26.65 | 1.61 |
| 228 Lacey | 001 | I01 | 28 | 12. | 19. | 26. | 36. | 49. | 83. | 103. | 105. | 105. | | | | |
| 228 Olympia | 001 | F01 | 88 | 11. | 16. | 32. | 52. | 66. | 111. | 129. | 148. | 148. | 56. | 35.17 | 45.75 | 1.98 |
| 228 Port Angeles | 001 | I01 | 90 | 20. | 30. | 46. | 61. | 78. | 123. | 145. | 194. | 194. | 70. | 36.33 | 61.76 | 1.65 |
| 228 Port Townsend | 001 | I01 | 84 | 6. | 12. | 21. | 27. | 30. | 52. | 56. | 80. | 80. | 28. | 14.27 | 25.10 | 1.66 |
| 228 Raymond | 001 | I01 | 88 | 6. | 18. | 30. | 39. | 54. | 79. | 97. | 144. | 144. | 46. | 26.46 | 39.61 | 1.77 |
| 228 Shelton | 001 | I01 | 88 | 10. | 20. | 29. | 43. | 58. | 91. | 98. | 132. | 132. | 49. | 28.27 | 42.06 | 1.78 |
| 228 Skagit Co | 002 | I01 | 85 | 13. | 24. | 62. | 118. | 297. | 1238. | 1716. | 3489. | 3489. | 391. | 652.96 | 141.75 | 4.06 |
| | 005 | I01 | 86 | 11. | 29. | 81. | 214. | 801. | 1673. | 2158. | 4482. | 4482. | 620. | 889.20 | 222.96 | 4.77 |
| 228 Whatcom Co | 001 | I01 | 87 | 6. | 13. | 21. | 32. | 47. | 79. | 91. | 149. | 149. | 40. | 28.33 | 32.07 | 1.96 |
| 229 Auburn | 003 | I01 | 96 | 22. | 30. | 41. | 52. | 70. | 88. | 105. | 122. | 122. | 57. | 24.20 | 52.45 | 1.53 |
| 229 Bellevue | 002 | I01 | 94 | 14. | 20. | 29. | 35. | 46. | 59. | 72. | 107. | 107. | 39. | 17.15 | 35.56 | 1.53 |
| 229 Bremerton | 001 | F01 | 75 | 16. | 30. | 43. | 52. | 69. | 91. | 109. | 166. | 166. | 58. | 26.21 | 53.28 | 1.55 |
| | 002 | I01 | 94 | 11. | 14. | 20. | 25. | 32. | 44. | 49. | 65. | 65. | 27. | 11.73 | 25.15 | 1.52 |
| 229 Everett | 003 | I01 | 93 | 13. | 28. | 33. | 41. | 51. | 67. | 74. | 102. | 102. | 44. | 15.90 | 41.69 | 1.43 |
| | 007 | F01 | 81 | 21. | 33. | 51. | 66. | 84. | 107. | 117. | 214. | 214. | | | | |
| 229 King Co | 001 | I03 | 92 | 2. | 4. | 8. | 12. | 23. | 42. | 63. | 97. | 97. | 20. | 20.50 | 12.95 | 2.51 |
| | 002 | A03 | 24 | 7. | 10. | 20. | 29. | 42. | 47. | 53. | 106. | 106. | 33. | 20.60 | 27.75 | 1.87 |
| 229 Renton | 001 | I01 | 92 | 4. | 12. | 22. | 31. | 41. | 59. | 73. | 105. | 105. | 34. | 19.34 | 29.15 | 1.85 |
| | 002 | I01 | 94 | 17. | 24. | 33. | 43. | 51. | 71. | 94. | 134. | 134. | 47. | 22.34 | 42.58 | 1.55 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **WASHINGTON — Cont.** | | | | | | | | | | | | | | | | |
| 229 Seattle | 001 | A01 | 25 | 23. | 34. | 44. | 57. | 64. | 112. | 134. | 158. | 158. | 64. | 31.99 | 58.07 | 1.57 |
| | 001 | I01 | 75 | 24. | 35. | 51. | 62. | 70. | 103. | 117. | 128. | 128. | 64. | 24.78 | 59.42 | 1.47 |
| | 002 | F01 | 60 | 25. | 30. | 46. | 55. | 67. | 95. | 118. | 127. | 127. | | | | |
| | 007 | I01 | 91 | 20. | 26. | 34. | 41. | 49. | 74. | 90. | 109. | 109. | 46. | 20.23 | 42.21 | 1.49 |
| | 009 | I01 | 93 | 20. | 28. | 34. | 42. | 50. | 71. | 84. | 106. | 106. | 47. | 17.91 | 43.58 | 1.43 |
| | 057 | I02 | 35 | 28. | 36. | 48. | 65. | 97. | 137. | 144. | 164. | 164. | | | | |
| 229 Tacoma | 001 | A01 | 25 | 21. | 25. | 37. | 42. | 62. | 109. | 147. | 198. | 198. | 60. | 41.12 | 50.40 | 1.76 |
| | 001 | I01 | 74 | 10. | 24. | 33. | 45. | 65. | 108. | 120. | 168. | 168. | 56. | 32.67 | 48.18 | 1.77 |
| | 003 | I01 | 91 | 10. | 17. | 25. | 45. | 64. | 91. | 108. | 117. | 117. | 49. | 28.58 | 40.32 | 1.89 |
| | 004 | I02 | 93 | 25. | 36. | 52. | 70. | 88. | 109. | 119. | 241. | 241. | 73. | 32.21 | 67.04 | 1.55 |
| | 005 | F01 | 91 | 18. | 33. | 47. | 64. | 86. | 131. | 147. | 212. | 212. | 73. | 38.36 | 64.54 | 1.66 |
| | 005 | I01 | 47 | 19. | 28. | 44. | 55. | 84. | 163. | 186. | 257. | 257. | | | | |
| | 006 | F01 | 96 | 12. | 19. | 36. | 57. | 98. | 197. | 248. | 468. | 468. | 86. | 78.48 | 60.75 | 2.33 |
| 230 Ellensburg | 001 | F01 | 28 | 25. | 28. | 40. | 55. | 80. | 126. | 131. | 167. | 167. | | | | |
| 230 Goldendale | 001 | F01 | 20 | 11. | 14. | 19. | 28. | 34. | 47. | 58. | 70. | 70. | | | | |
| 230 Klickitat Co | 001 | F01 | 7 | 10. | 10. | 23. | 31. | 32 | 46. | 46. | 46. | 46. | | | | |
| 230 Pasco | 001 | F01 | 28 | 11. | 25. | 68. | 76. | 144. | 195. | 260. | 401. | 401. | | | | |
| 230 Richland | 001 | F01 | 30 | 4. | 13. | 25. | 33. | 45. | 106. | 276. | 296. | 296. | | | | |
| 230 Toppenish | 002 | I01 | 68 | 28. | 40. | 65. | 79. | 110 | 151. | 165. | 184. | 184. | | | | |
| 230 Walla Walla | 001 | F01 | 24 | 14. | 30. | 54. | 59. | 86. | 135. | 163. | 246. | 246. | | | | |
| 230 Yakima | 001 | I01 | 8 | 62. | 62. | 94. | 115. | 129. | 206. | 206. | 206. | 206. | | | | |
| | 002 | I01 | 90 | 33. | 48. | 60. | 77. | 102. | 126. | 137. | 206. | 206. | 86. | 34.27 | 80.16 | 1.48 |
| | 003 | F01 | 52 | 33. | 48. | 60. | 81. | 108. | 128. | 137. | 178. | 178. | | | | |
| 230 Yakima Co | 001 | I01 | 62 | 11. | 23. | 47. | 68. | 101. | 148. | 164. | 221. | 221. | | | | |
| **WEST VIRGINIA** | | | | | | | | | | | | | | | | |
| 103 Huntington | 003 | F01 | 15 | 28. | 33. | 42. | 60. | 75. | 115. | 117. | 117. | 117. | | | | |
| | 004 | F03 | 10 | 29. | 29. | 42. | 53. | 63. | 75. | 87. | 87. | 87. | | | | |
| | 005 | A01 | 18 | 66. | 68. | 88. | 97. | 131. | 189. | 304. | 304. | 304. | | | | |
| 113 Keyser | 002 | F01 | 7 | 30. | 30. | 57. | 66. | 83. | 96. | 96. | 96. | 96. | | | | |
| 113 Mineral Co | 002 | F02 | 7 | 34. | 34. | 49. | 63. | 73. | 108. | 108. | 108. | 108. | | | | |
| 179 Parkersburg | 003 | F01 | 17 | 32. | 34. | 72. | 84. | 100. | 166. | 175. | 175. | 175. | | | | |
| 179 Vienna | 001 | F02 | 17 | 29. | 50. | 72. | 81. | 106. | 178. | 218. | 218. | 218. | | | | |
| 179 Wood Co | 001 | F02 | 14 | 34. | 34. | 59. | 68. | 91. | 130. | 155. | 155. | 155. | | | | |
| 181 Benwood | 001 | F01 | 14 | 50. | 51. | 105. | 140. | 185. | 235. | 244. | 244. | 244. | | | | |
| 181 Follansbee | 004 | F02 | 14 | 42. | 66. | 148. | 176. | 219. | 283. | 355. | 355. | 355. | | | | |
| 181 Hancock Co | 003 | F02 | 16 | 55. | 75. | 94. | 113. | 174. | 194. | 222. | 222. | 222. | | | | |
| | 004 | F02 | 11 | 36. | 47. | 51. | 81. | 89. | 125. | 140. | 140. | 140. | | | | |
| 181 Moundsville | 001 | F02 | 15 | 51. | 77. | 92. | 164. | 192. | 229. | 254. | 254. | 254. | | | | |
| 181 Weirton | 002 | F02 | 16 | 30. | 94. | 134. | 203. | 213. | 248. | 267. | 267. | 267. | | | | |
| 181 Wellsburg | 002 | F01 | 16 | 60. | 65. | 115. | 159. | 189. | 242. | 244. | 244. | 244. | | | | |
| 181 Wheeling | 001 | H01 | 26 | 47. | 67. | 90. | 112. | 174. | 217. | 225. | 244. | 244. | | | | |
| | 002 | H01 | 28 | 25. | 61. | 95. | 118. | 179. | 245. | 254. | 276. | 276. | | | | |
| | 003 | H01 | 28 | 44. | 56. | 77. | 109. | 132. | 190. | 208. | 210. | 210. | | | | |
| | 004 | H01 | 28 | 33. | 36. | 56. | 75. | 98. | 155. | 157. | 176. | 176. | | | | |
| | 005 | H01 | 27 | 33. | 37. | 63. | 73. | 100. | 161. | 173. | 214. | 214. | | | | |
| 234 Charleston | 001 | A01 | 25 | 27. | 63. | 98. | 138. | 183. | 258. | 269. | 384. | 384. | 151. | 82.94 | 129.89 | 1.80 |
| | 002 | F01 | 16 | 57. | 72. | 98. | 126. | 165. | 201. | 210. | 210. | 210. | | | | |
| | 003 | F03 | 13 | 24. | 30. | 47. | 65. | 74. | 120. | 133. | 133. | 133. | | | | |
| | 005 | F01 | 18 | 59. | 65. | 80. | 109. | 150. | 167. | 243. | 243. | 243. | | | | |
| | 006 | F01 | 18 | 48. | 51. | 83. | 99. | 141. | 194. | 199. | 199. | 199. | | | | |
| 234 Kanawha Co | 001 | F02 | 18 | 40. | 54. | 68. | 103. | 128. | 146. | 158. | 158. | 158. | | | | |
| | 002 | F02 | 20 | 1. | 1. | 36. | 52. | 88. | 107. | 111. | 129. | 129. | | | | |
| 234 Nitro | 001 | F02 | 20 | 39. | 45. | 60. | 96. | 129. | 155. | 166 | 190. | 190. | | | | |
| 234 Putnam Co | 001 | F01 | 18 | 25. | 26. | 50. | 64 | 119. | 468. | 559. | 559. | 559. | | | | |
| | 002 | F02 | 18 | 21. | 23. | 37. | 49. | 73 | 101. | 102. | 102. | 102. | | | | |
| | 003 | F02 | 22 | 42. | 47. | 61. | 79. | 134. | 152. | 155. | 172. | 172. | | | | |
| 234 South Charleston | 001 | A01 | 26 | 40. | 49. | 66. | 91. | 123. | 185. | 277. | 384. | 384. | 111. | 77.19 | 93.95 | 1.75 |
| | 002 | F02 | 16 | 59. | 65. | 85. | 137. | 148. | 211. | 221. | 221. | 221. | | | | |
| | 003 | F01 | 16 | 21. | 24. | 41. | 61. | 88 | 98. | 112. | 112. | 112. | | | | |
| 235 Clarksburg | 001 | F01 | 12 | 39. | 50. | 62. | 87. | 101. | 120. | 150. | 150. | 150. | | | | |
| | 002 | F01 | 12 | 38. | 60. | 73. | 85. | 109. | 131. | 188. | 188. | 188. | | | | |
| 235 Fairmont | 001 | F01 | 12 | 23. | 36. | 48. | 81. | 91. | 105. | 121. | 121. | 121. | | | | |
| | 002 | F02 | 10 | 40. | 40. | 82. | 85. | 113. | 117. | 123. | 123. | 123. | | | | |
| | 003 | F01 | 12 | 35. | 45. | 58. | 78. | 100. | 114. | 115. | 115. | 115. | | | | |
| 235 Harrison Co | 001 | F01 | 12 | 36. | 37. | 41. | 75 | 96. | 111. | 116. | 116. | 116. | | | | |
| 236 Fayette Co | 001 | F02 | 19 | 23. | 30. | 68. | 91. | 110. | 161. | 225. | 225. | 225. | | | | |
| 236 Montgomery | 001 | F02 | 19 | 40. | 52. | 170. | 239 | 258 | 341 | 379. | 379. | 379. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **WISCONSIN** | | | | | | | | | | | | | | | | |
| 000 Milwaukee | 026 | H01 | 49 | 28. | 38. | 52. | 71. | 104. | 139. | 161. | 177. | 177. | 83. | 41.20 | 72.83 | 1.67 |
| 073 Beloit | 001 | F01 | 129 | 11. | 26. | 46. | 64. | 86. | 113. | 128. | 144. | 146. | 68. | 32.46 | 59.40 | 1.74 |
| | 002 | F01 | 116 | 22. | 45. | 72. | 87. | 115. | 154. | 177. | 274. | 306. | 98. | 48.22 | 86.76 | 1.66 |
| | 003 | F01 | 111 | 12. | 31. | 53. | 64. | 86. | 111. | 155. | 175. | 196. | 72. | 36.27 | 63.29 | 1.70 |
| 128 Eau Claire | 002 | A01 | 25 | 12. | 29. | 39. | 44. | 58. | 82. | 103. | 142. | 142. | 52. | 27.66 | 45.95 | 1.67 |
| | 003 | F01 | 1 | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | | | | |
| | 005 | F01 | 18 | 14. | 15. | 25. | 30. | 42. | 68. | 119. | 119. | 119. | | | | |
| | 006 | F01 | 17 | 26. | 30. | 32. | 42. | 47. | 81. | 86. | 86. | 86. | | | | |
| | 008 | F01 | 1 | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | | | | |
| 128 La Crosse | 003 | F01 | 130 | 13. | 26. | 37. | 49. | 59. | 84. | 91. | 118. | 133. | | | | |
| | 004 | F01 | 2 | 53. | 53. | 53. | 53. | 67. | 67. | 67. | 67. | 67. | | | | |
| | 005 | F01 | 6 | 40. | 40. | 41. | 43. | 72. | 96. | 96. | 96. | 96. | | | | |
| | 006 | F01 | 2 | 30. | 30. | 30. | 30. | 82. | 82. | 82. | 82. | 82. | | | | |
| | 007 | F01 | 3 | 81. | 81. | 81. | 97. | 159. | 159. | 159. | 159. | 159. | | | | |
| 128 River Falls | 001 | F01 | 14 | 14. | 15. | 26. | 30. | 45. | 60. | 68. | 68. | 68. | | | | |
| 129 Superior | 001 | A01 | 19 | 11. | 26. | 50. | 62. | 74. | 159. | 170. | 170. | 170. | | | | |
| | 002 | F02 | 63 | 26. | 38. | 51. | 77. | 116. | 159. | 257. | 704. | 704. | | | | |
| | 004 | F01 | 103 | 14. | 26. | 36. | 47. | 57. | 87. | 107. | 140. | 184. | | | | |
| | 005 | F01 | 93 | 11. | 19. | 31. | 45. | 58. | 79. | 91. | 109. | 109. | | | | |
| 237 Appleton | 001 | F01 | 3 | 31. | 31. | 31. | 41. | 67. | 67. | 67. | 67. | 67. | | | | |
| | 002 | F01 | 56 | 31. | 42. | 51. | 63. | 84. | 115. | 133. | 145. | 145. | | | | |
| | 003 | F01 | 3 | 27. | 27. | 27. | 51. | 126. | 126. | 126. | 126. | 126. | | | | |
| | 004 | F01 | 12 | 40. | 49. | 67. | 71. | 107. | 136. | 146. | 146. | 146. | | | | |
| | 005 | F01 | 18 | 37. | 46. | 54. | 59. | 83. | 102. | 119. | 119. | 119. | | | | |
| | 007 | F01 | 19 | 30. | 30. | 43. | 58. | 83. | 96. | 107. | 107. | 107. | | | | |
| | 008 | F04 | 3 | 33. | 33. | 33. | 34. | 137. | 137. | 137. | 137. | 137. | | | | |
| 237 De Pere | 001 | F01 | 25 | 17. | 18. | 23. | 30. | 41. | 63. | 72. | 82. | 82. | | | | |
| 237 Door Co | 001 | A03 | 18 | 7. | 8. | 17. | 19. | 25. | 35. | 42. | 42. | 42. | | | | |
| 237 Fond Du Lac | 001 | F01 | 23 | 22. | 30. | 40. | 57. | 77. | 88. | 99. | 100. | 100. | | | | |
| 237 Green Bay | 001 | F01 | 101 | 8. | 26. | 46. | 59. | 80. | 109. | 133. | 162. | 178. | | | | |
| | 002 | F01 | 114 | 19. | 35. | 51. | 68. | 83. | 119. | 133. | 156. | 159. | | | | |
| | 005 | F01 | 53 | 16. | 25. | 48. | 61. | 83. | 117. | 162. | 246. | 246. | | | | |
| 237 Manitowoc | 001 | F01 | 8 | 49. | 49. | 63. | 66. | 88. | 98. | 98. | 98. | 98. | | | | |
| 237 Menasha | 001 | F01 | 4 | 63. | 63. | 67. | 67. | 71. | 86. | 86. | 86. | 86. | | | | |
| | 003 | F01 | 2 | 67. | 67. | 67. | 67. | 105. | 105. | 105. | 105. | 105. | | | | |
| | 004 | F01 | 5 | 34. | 34. | 47. | 62. | 77. | 100. | 100. | 100. | 100. | | | | |
| | 005 | F01 | 11 | 66. | 67. | 83. | 118. | 128. | 133. | 139. | 139. | 139. | | | | |
| 237 Neenah | 001 | F01 | 18 | 40. | 49. | 64. | 72. | 90. | 134. | 138. | 138. | 138. | | | | |
| | 002 | F01 | 6 | 53. | 53. | 59. | 64. | 70. | 72. | 72. | 72. | 72. | | | | |
| | 004 | F01 | 1 | 46. | 46. | 46. | 46. | 46. | 46. | 46. | 46. | 46. | | | | |
| 237 Oshkosh | 001 | F01 | 12 | 19. | 30. | 46. | 51. | 80. | 82. | 86. | 86. | 86. | | | | |
| | 002 | F01 | 12 | 51. | 57. | 63. | 70. | 91. | 98. | 144. | 144. | 144. | | | | |
| 237 Ripon | 001 | F01 | 3 | 26. | 26. | 26. | 26. | 93. | 93. | 93. | 93. | 93. | | | | |
| 238 Rothschild | 001 | F01 | 9 | 32. | 32. | 66. | 81. | 216. | 433. | 433. | 433. | 433. | | | | |
| 238 Stevens Point | 001 | F01 | 26 | 7. | 19. | 31. | 41. | 66. | 81. | 86. | 127. | 127. | | | | |
| | 002 | F01 | 29 | 14. | 14. | 25. | 27. | 37. | 64. | 75. | 164. | 164. | | | | |
| 239 Burlington | 001 | F01 | 23 | 25. | 28. | 44. | 65. | 90. | 117. | 165. | 195. | 195. | | | | |
| 239 Franklin | 012 | G03 | 117 | 3. | 28. | 45. | 58. | 81. | 133. | 172. | 223. | 726. | 76. | 75.20 | 58.84 | 2.05 |
| 239 Kenosha | 001 | A01 | 24 | 27. | 44. | 56. | 65. | 75. | 126. | 127. | 161. | 161. | 73. | 31.49 | 67.83 | 1.49 |
| | 005 | F01 | 23 | 48. | 71. | 96. | 140. | 221. | 295. | 321. | 347. | 347. | | | | |
| | 008 | F02 | 21 | 1. | 33. | 82. | 93. | 108. | 138. | 202. | 229. | 229. | | | | |
| | 010 | F02 | 5 | 22. | 22. | 25. | 29. | 49. | 62. | 62. | 62. | 62. | | | | |
| | 011 | F01 | 20 | 53. | 74. | 96. | 109. | 153. | 186. | 206. | 226. | 226. | | | | |
| | 012 | F02 | 37 | 1. | 60. | 89. | 100. | 114. | 156. | 165. | 192. | 192. | | | | |
| | 013 | F01 | 18 | 32. | 40. | 62. | 74. | 77. | 113. | 122. | 122. | 122. | | | | |
| | 014 | F01 | 16 | 25. | 28. | 37. | 59. | 105. | 129. | 132. | 132. | 132. | | | | |
| 239 Milwaukee | 001 | A01 | 24 | 39. | 45. | 74. | 88. | 101. | 133. | 141. | 143. | 143. | 89. | 30.04 | 83.56 | 1.45 |
| | 008 | G01 | 36 | 24. | 39. | 58. | 71. | 92. | 132. | 200. | 239. | 239. | 82. | 45.06 | 72.85 | 1.64 |
| | 009 | G01 | 121 | 11. | 37. | 51. | 69. | 88. | 137. | 161. | 252. | 353. | 80. | 48.99 | 69.22 | 1.73 |
| | 013 | G01 | 283 | 23. | 52. | 82. | 103. | 125. | 198. | 234. | 321. | 400. | | | | |
| | 018 | G02 | 66 | 1. | 92. | 145. | 169. | 274. | 440. | 478. | 764. | 764. | | | | |
| | 019 | G01 | 110 | 25. | 39. | 62. | 80. | 107. | 147. | 171. | 245. | 337. | 90. | 48.43 | 79.90 | 1.65 |
| | 022 | G01 | 104 | 21. | 53. | 74. | 96. | 110. | 162. | 193. | 245. | 247. | | | | |
| | 025 | G01 | 111 | 23. | 46. | 68. | 80. | 109. | 155. | 196. | 231. | 244. | | | | |
| | 027 | G01 | 103 | 16. | 35. | 56. | 75. | 99. | 153. | 175. | 245. | 269. | | | | |
| | 028 | G02 | 144 | 1. | 40. | 72. | 93. | 128. | 196. | 225. | 278. | 303. | | | | |
| | 029 | G02 | 214 | 1. | 77. | 118. | 148. | 180. | 266. | 340. | 472. | 1960. | | | | |
| | 030 | G01 | 155 | 47. | 78. | 120. | 145. | 176. | 279. | 332. | 425. | 485. | | | | |
| | 030 | G02 | 66 | 1. | 57. | 103. | 131 | 156. | 235. | 279. | 485. | 485. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **WISCONSIN — Cont.** | | | | | | | | | | | | | | | | |
| | 031 | G01 | 69 | 14. | 24. | 47. | 63. | 86. | 136. | 181. | 251. | 251. | | | | |
| | 032 | G01 | 89 | 23. | 35. | 54. | 75. | 95. | 151. | 203. | 318. | 318. | | | | |
| | 099 | G01 | 294 | 32. | 59. | 91. | 113. | 145. | 198. | 233. | 387. | 458. | | | | |
| 239 Port Washington | 001 | F01 | 21 | 16. | 30. | 50. | 55. | 67. | 96. | 164. | 199. | 199. | | | | |
| 239 Racine | 001 | A01 | 22 | 22. | 36. | 44. | 51. | 80. | 134. | 142. | 162. | 162. | | | | |
| | 006 | F01 | 56 | 28. | 44. | 55. | 76. | 92. | 130. | 137. | 159. | 159. | 80. | 32.11 | 73.47 | 1.51 |
| | 007 | F01 | 23 | 38. | 42. | 48. | 64. | 72. | 111. | 131. | 159. | 159. | 69. | 30.69 | 63.84 | 1.47 |
| | 008 | F01 | 23 | 33. | 39. | 50. | 73. | 94. | 131. | 152. | 187. | 187. | | | | |
| 239 Racine Co | 001 | F01 | 18 | 16. | 23. | 45. | 51. | 61. | 103. | 174. | 174. | 174. | | | | |
| | 002 | F01 | 24 | 1. | 32. | 50. | 76. | 90. | 159. | 218. | 293. | 293. | 83. | 62.94 | 58.82 | 3.21 |
| | 003 | F01 | 24 | 17. | 34. | 51. | 59. | 74. | 120. | 125. | 141. | 141. | | | | |
| 239 South Milwaukee | 024 | G01 | 102 | 22. | 36. | 51. | 64. | 91. | 121. | 138. | 191. | 244. | 75. | 38.68 | 66.26 | 1.64 |
| 239 Walworth Co | 001 | F01 | 23 | 28. | 38. | 48. | 58. | 82. | 86. | 103. | 113. | 113. | 64. | 27.60 | 59.83 | 1.44 |
| 239 Waukesha | 001 | F01 | 20 | 33. | 33. | 62. | 79. | 96. | 119. | 124. | 137. | 137. | | | | |
| | 002 | F05 | 7 | 71. | 71. | 73. | 97. | 101. | 173. | 173. | 173. | 173. | | | | |
| | 003 | F05 | 5 | 49. | 49. | 55. | 74. | 132. | 174. | 174. | 174. | 174. | | | | |
| | 004 | F05 | 7 | 46. | 46. | 64. | 79. | 124. | 195. | 195. | 195. | 195. | | | | |
| | 005 | F05 | 6 | 68. | 68. | 75. | 82. | 154. | 160. | 160. | 160. | 160. | | | | |
| | 006 | F05 | 7 | 90. | 90. | 123. | 135. | 148. | 226. | 226. | 226. | 226. | | | | |
| 239 Wauwatosa | 002 | G01 | 248 | 20. | 41. | 62. | 78. | 98. | 143. | 167. | 188. | 211. | 86. | 39.48 | 77.27 | 1.61 |
| 239 West Allis | 026 | G01 | 88 | 24. | 38. | 53. | 73. | 97. | 134. | 145. | 177. | 177. | 79. | 36.06 | 71.20 | 1.60 |
| 239 West Bend | 001 | F01 | 15 | 37. | 39. | 57. | 76. | 80. | 132. | 200. | 200. | 200. | 78. | 41.61 | 70.25 | 1.57 |
| 239 Whitewater | 001 | F01 | 28 | 17. | 20. | 30. | 48. | 61. | 93. | 96. | 142. | 142. | | | | |
| 240 Madison | 001 | A01 | 26 | 30. | 41. | 50. | 58. | 86. | 112. | 115. | 146. | 146. | 69. | 27.71 | 63.72 | 1.47 |
| | 001 | F01 | 87 | 29. | 45. | 60. | 76. | 94. | 130. | 148. | 192. | 192. | 84. | 35.61 | 77.65 | 1.51 |
| | 002 | F02 | 70 | 1. | 37. | 48. | 61. | 77. | 116. | 121. | 144. | 144. | | | | |
| | 003 | F02 | 81 | 22. | 37. | 51. | 65. | 78. | 115. | 146. | 254. | 254. | 72. | 40.41 | 64.29 | 1.61 |
| | 004 | F01 | 11 | 30. | 32. | 41. | 58. | 61. | 85. | 141. | 141. | 141. | | | | |
| | 005 | F01 | 116 | 26. | 44. | 58. | 68. | 100. | 134. | 151. | 185. | 266. | 82. | 38.35 | 74.10 | 1.55 |
| | 008 | F02 | 112 | 1. | 45. | 62. | 79. | 102. | 123. | 140. | 182. | 242. | 83. | 36.14 | 71.26 | 2.22 |
| | 009 | F01 | 88 | 24. | 42. | 57. | 74. | 93. | 123. | 142. | 167. | 167. | | | | |
| **WYOMING** | | | | | | | | | | | | | | | | |
| 241 Casper | 001 | A01 | 26 | 13. | 39. | 56. | 73. | 108. | 152. | 225. | 403. | 403. | 95. | 76.85 | 76.60 | 1.94 |
| 242 Cheyenne | 001 | A01 | 21 | 5. | 12. | 21. | 25. | 35. | 57. | 72. | 91. | 91. | 32. | 22.04 | 26.02 | 2.02 |
| 243 Grand Teton Nat Park | 001 | A03 | 21 | 2. | 4. | 9. | 12. | 18. | 25. | 26. | 90. | 90. | | | | |
| 243 Yellowstone Nat Park | 001 | A03 | 26 | 2. | 3. | 5. | 8. | 14. | 17. | 18. | 27. | 27. | 9. | 6.25 | 7.53 | 2.00 |

## CARBON MONOXIDE, milligrams per cubic meter (25 C)
## INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 005 Mobile | 008 | G01 | 150 | .2 | .2 | .6 | .6 | 1.1 | 1.7 | 1.7 | 1.7 | 1.7 | | | | |
| **ARIZONA** | | | | | | | | | | | | | | | | |
| 015 Phoenix | 002 | G01 | 8008 | .2 | .2 | .2 | .2 | 1.1 | 3.4 | 5.7 | 11.5 | 92.0 | | | | |
| | 007 | G01 | 757 | .2 | .2 | .2 | .2 | 4.6 | 18.4 | 40.2 | 73.6 | 189.7 | | | | |
| **CALIFORNIA** | | | | | | | | | | | | | | | | |
| 024 Anaheim | 001 | I01 | 2037 | .2 | 1.1 | 2.3 | 3.4 | 5.7 | 9.2 | 12.6 | 18.4 | 27.6 | | | | |
| 024 Azusa | 002 | I01 | 8643 | 1.1 | 2.3 | 3.4 | 4.6 | 4.6 | 6.9 | 8.0 | 11.5 | 23.0 | 4.6 | 2.03 | 4.19 | 1.50 |
| 024 Burbank | 002 | I01 | 8252 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 12.6 | 16.1 | 24.1 | 36.8 | 6.3 | 4.72 | 5.01 | 1.99 |
| 024 La Habra | 001 | I01 | 1154 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 11.5 | 13.8 | 19.5 | 25.3 | | | | |
| 024 Lennox | 001 | I01 | 8607 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 14.9 | 19.5 | 31.0 | 56.3 | 7.0 | 5.94 | 5.47 | 1.95 |
| 024 Long Beach | 002 | I01 | 8578 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 11.5 | 14.9 | 23.0 | 47.1 | 6.2 | 4.52 | 5.02 | 1.94 |
| 024 Los Angeles | 001 | I01 | 8604 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 11.5 | 14.9 | 21.8 | 34.5 | 6.2 | 4.05 | 5.25 | 1.76 |
| | 002 | I01 | 8650 | 1.1 | 2.3 | 3.4 | 3.4 | 4.6 | 9.2 | 12.6 | 20.7 | 39.1 | 5.0 | 3.87 | 4.11 | 1.82 |
| 024 Los Angeles Co | G01 | I01 | 8605 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 11.5 | 16.1 | 26.4 | 42.5 | 6.2 | 4.90 | 5.01 | 1.89 |
| 024 Ojai | 001 | I01 | 4128 | .2 | .2 | 2.3 | 4.6 | 6.9 | 11.5 | 13.8 | 16.1 | 25.3 | | | | |
| 024 Pomona | 001 | I01 | 8586 | 1.1 | 2.3 | 3.4 | 4.6 | 5.7 | 9.2 | 11.5 | 14.9 | 26.4 | 5.0 | 2.91 | 4.34 | 1.74 |
| 024 Redlands | 001 | I01 | 8339 | 1.1 | 3.4 | 4.6 | 4.6 | 5.7 | 8.0 | 9.2 | 13.8 | 20.7 | 5.4 | 2.15 | 5.03 | 1.43 |
| 024 Riverside | 001 | I01 | 7704 | .2 | 3.4 | 5.7 | 6.9 | 9.2 | 13.8 | 16.1 | 21.8 | 34.5 | 7.9 | 4.39 | 6.54 | 2.03 |
| 024 San Bernardino | 001 | I01 | 7668 | .2 | 3.4 | 4.6 | 5.7 | 6.9 | 9.2 | 11.5 | 14.9 | 20.7 | 6.2 | 2.49 | 5.70 | 1.50 |
| 024 Santa Ana | 002 | I01 | 1116 | .2 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 8.0 | 11.5 | 14.9 | | | | |
| 028 Chico | 001 | F01 | 8714 | 1.1 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 5.7 | 9.2 | 19.5 | 2.0 | 1.72 | 1.68 | 1.74 |
| 028 Sacramento | 002 | F01 | 8131 | .2 | 1.1 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 14.9 | 48.3 | 2.8 | 2.93 | 2.08 | 2.14 |
| 030 Burlingame | 001 | I01 | 8476 | .2 | 2.3 | 3.4 | 3.4 | 4.6 | 6.9 | 8.0 | 11.5 | 18.4 | 4.0 | 2.10 | 3.49 | 1.69 |
| 030 Fremont | 001 | I01 | 8724 | .2 | 1.1 | 2.3 | 3.4 | 3.4 | 5.7 | 6.9 | 9.2 | 16.1 | 3.3 | 1.86 | 2.86 | 1.76 |
| 030 Napa | 001 | F01 | 7987 | .2 | 1.1 | 2.3 | 2.3 | 2.3 | 4.6 | 5.7 | 9.2 | 19.5 | | | | |
| 030 Oakland | 004 | F01 | 8002 | .2 | 1.1 | 2.3 | 2.3 | 3.4 | 5.7 | 6.9 | 11.5 | 24.1 | 2.9 | 2.05 | 2.42 | 1.82 |
| 030 Pittsburg | 001 | I01 | 8455 | 1.1 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 | 6.9 | 12.6 | 2.2 | 1.24 | 1.92 | 1.65 |
| 030 Redwood City | 001 | I01 | 8424 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 | 5.7 | 9.2 | 16.1 | 2.8 | 1.60 | 2.42 | 1.67 |
| 030 Richmond | 001 | I01 | 8048 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 | 5.7 | 10.3 | 26.4 | 3.0 | 1.81 | 2.59 | 1.70 |
| 030 San Rafael | 001 | I01 | 8517 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 5.7 | 6.9 | 10.3 | 20.7 | 3.2 | 1.97 | 2.75 | 1.76 |
| 030 Santa Rosa | 001 | F01 | 2526 | .2 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 | 6.9 | 11.5 | | | | |
| 031 Bakersfield | 001 | A01 | 4733 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 | 5.7 | 8.0 | 16.1 | | | | |
| 031 Stockton | 002 | F01 | 7740 | 1.1 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 4.6 | 8.0 | 20.7 | 1.8 | 1.44 | 1.53 | 1.62 |
| 031 Visalia | 001 | F01 | 8321 | .2 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 8.0 | 11.5 | 26.4 | 3.8 | 2.55 | 2.87 | 2.27 |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Denver | 002 | A10 | 5062 | .2 | 2.3 | 4.6 | 6.9 | 9.2 | 16.1 | 20.7 | 32.2 | 67.8 | | | | |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 042 Hartford | 003 | F01 | 630 | .3 | .3 | 23.0 | 46.0 | 69.0 | 92.0 | 104.0 | 115.0 | 115.0 | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 002 | A01 | 1152 | .2 | 1.1 | 2.3 | 3.4 | 4.6 | 6.3 | 8.0 | 11.5 | 20.7 | | | | |
| | 002 | A05 | 240 | .2 | 1.7 | 2.9 | 4.0 | 5.7 | 8.0 | 9.2 | 11.5 | 13.8 | | | | |
| | 003 | A10 | 7254 | .2 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 9.2 | 14.9 | 52.9 | | | | |
| | 008 | I02 | 397 | .2 | .2 | .2 | .2 | .2 | .6 | .7 | .9 | 1.1 | | | | |
| | 009 | I02 | 1095 | 1.1 | 2.3 | 3.4 | 4.6 | 5.7 | 8.0 | 8.0 | 11.5 | 17.2 | | | | |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 049 Unknown | 080 | A05 | 1056 | .2 | .6 | 1.7 | 2.6 | 4.3 | 7.5 | 8.9 | 13.5 | 33.9 | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 067 Chicago | 002 | A10 | 6389 | .2 | 1.1 | 3.4 | 4.6 | 8.0 | 12.6 | 14.9 | 23.0 | 33.3 | | | | |
| | 004 | H01 | 1462 | .2 | 4.0 | 6.2 | 7.9 | 10.0 | 12.2 | 13.6 | 16.8 | 38.3 | | | | |
| | 005 | H01 | 5863 | .2 | 1.8 | 4.0 | 5.7 | 8.0 | 11.6 | 13.6 | 18.4 | 38.3 | | | | |
| | 006 | H01 | 22 | .2 | 1.0 | 1.4 | 1.8 | 3.3 | 19.4 | 26.8 | 38.3 | 38.3 | | | | |
| | 007 | H01 | 9 | 1.3 | 1.3 | 1.4 | 1.5 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | | | | |

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## CARBON MONOXIDE, milligrams per cubic meter (25 C)
## INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ILLINOIS — Cont.** | | | | | | | | | | | | | | | | |
| | 008 | H01 | 73 | .2 | .2 | .2 | .2 | 1.1 | 10.3 | 31.2 | 38.3 | 38.3 | | | | |
| | 009 | H01 | 7716 | .2 | .2 | 1.1 | 2.4 | 4.0 | 7.1 | 8.7 | 14.6 | 45.2 | 3.2 | 3.45 | 1.82 | 3.34 |
| | 010 | H01 | 8120 | .2 | 1.4 | 1.5 | 2.5 | 4.0 | 7.5 | 8.6 | 15.2 | 51.4 | 3.6 | 3.07 | 2.71 | 2.11 |
| | 027 | H01 | 8343 | .9 | 3.1 | 5.1 | 6.7 | 8.7 | 13.1 | 15.9 | 22.9 | 68.8 | 7.6 | 4.50 | 6.47 | 1.80 |
| **INDIANA** | | | | | | | | | | | | | | | | |
| 080 Indianapolis | 080 | A05 | 1806 | .2 | .2 | 1.1 | 1.7 | 2.9 | 5.2 | 9.2 | 17.8 | 28.7 | | | | |
| | 082 | A05 | 927 | .2 | .2 | .6 | 1.1 | 2.3 | 4.6 | 7.5 | 12.6 | 17.2 | | | | |
| **IOWA** | | | | | | | | | | | | | | | | |
| 092 Des Moines | 080 | A05 | 2223 | .2 | 1.1 | 1.7 | 2.3 | 2.9 | 4.6 | 5.7 | 11.5 | 28.2 | | | | |
| **KANSAS** | | | | | | | | | | | | | | | | |
| 099 Wichita | 003 | F01 | 3641 | .2 | 1.0 | 1.0 | 1.1 | 2.0 | 4.0 | 6.0 | 13.0 | 33.0 | | | | |
| | 080 | A05 | 206 | .2 | .6 | .6 | 1.1 | 1.7 | 2.9 | 3.4 | 5.2 | 5.7 | | | | |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Paducah | 019 | F01 | 5240 | .2 | .6 | 2.3 | 3.4 | 5.2 | 8.0 | 9.2 | 13.2 | 36.8 | | | | |
| 077 Owensboro | 004 | F01 | 5744 | .2 | .2 | 2.3 | 3.4 | 4.6 | 6.9 | 8.0 | 10.3 | 25.3 | | | | |
| 078 Louisville | 001 | G01 | 3602 | .2 | .6 | 1.7 | 2.9 | 4.0 | 7.5 | 9.2 | 13.8 | 29.9 | | | | |
| | 011 | G01 | 3543 | .2 | 1.7 | 3.4 | 4.6 | 6.9 | 11.5 | 14.4 | 21.3 | 40.2 | | | | |
| **LOUISIANA** | | | | | | | | | | | | | | | | |
| 106 New Orleans | 083 | A05 | 16 | .2 | .2 | .6 | .6 | 1.7 | 8.0 | 13.8 | 13.8 | 13.8 | | | | |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Gaithersburg | 004 | G01 | 2712 | .2 | 2.3 | 3.4 | 4.6 | 6.9 | 9.2 | 11.5 | 18.4 | 29.9 | | | | |
| 113 Cumberland | 001 | G01 | 1800 | .2 | .2 | 3.4 | 5.7 | 6.9 | 8.0 | 9.2 | 11.5 | 13.8 | | | | |
| 115 Baltimore | 020 | K05 | 1452 | .2 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 9.2 | 13.8 | 27.6 | | | | |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 119 Boston | 002 | F01 | 2840 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 10.3 | 11.5 | 16.1 | 23.0 | | | | |
| | 082 | A05 | 360 | .2 | 2.3 | 4.0 | 4.6 | 6.3 | 7.5 | 9.2 | 12.6 | 14.9 | | | | |
| 119 Cambridge | 004 | F01 | 4066 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 6.9 | 8.0 | 11.5 | 29.9 | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Afton | 001 | G01 | 2796 | .2 | 2.4 | 3.7 | 4.5 | 5.4 | 6.8 | 7.7 | 9.3 | 12.3 | | | | |
| 070 Bellefontaine Neighbors | 002 | G01 | 2606 | .2 | .9 | 2.0 | 2.8 | 3.7 | 5.5 | 6.7 | 8.4 | 12.8 | | | | |
| 070 Clayton | 001 | G01 | 2429 | .2 | .8 | 1.6 | 2.6 | 4.0 | 6.4 | 8.3 | 12.9 | 25.5 | | | | |
| 070 St Ann | 001 | G01 | 2609 | .2 | .7 | 1.1 | 2.0 | 3.0 | 5.9 | 7.7 | 14.5 | 30.9 | | | | |
| 070 St Louis | 002 | A05 | 336 | 1.1 | 1.7 | 2.9 | 3.4 | 5.2 | 8.6 | 10.9 | 17.8 | 25.9 | | | | |
| | 002 | A10 | 7386 | .2 | 2.3 | 3.4 | 4.6 | 5.7 | 8.0 | 10.3 | 14.9 | 37.9 | | | | |
| 070 St Louis Co | 006 | G01 | 460 | .2 | 2.6 | 4.4 | 5.7 | 6.4 | 7.9 | 9.1 | 10.8 | 12.0 | | | | |
| 094 Kansas City | 022 | H01 | 3603 | 3 | .3 | 1.1 | 2.3 | 5.8 | 13.0 | 70.0 | 93.0 | 175.0 | | | | |
| **NEBRASKA** | | | | | | | | | | | | | | | | |
| 085 Omaha | 024 | G01 | 423 | .2 | .2 | 1.1 | 1.7 | 2.9 | 5.7 | 6.3 | 8.6 | 67.8 | | | | |
| **NEW JERSEY** | | | | | | | | | | | | | | | | |
| 043 Asbury Park | 001 | F01 | 7613 | .2 | .2 | 1.4 | 2.4 | 3.7 | 6.7 | 8.9 | 12.5 | 49.5 | 3.1 | 2.84 | 1.95 | 2.94 |
| 043 Bayonne | 003 | F01 | 7924 | .2 | .2 | .7 | 1.1 | 1.6 | 2.7 | 3.4 | 7.3 | 17.6 | 1.4 | 1.32 | .95 | 2.46 |
| 043 Elizabeth | 003 | F01 | 7712 | .2 | 2.0 | 3.7 | 5.9 | 9.3 | 16.1 | 19.7 | 28.1 | 46.7 | 7.7 | 6.04 | 5.69 | 2.27 |
| 043 Freehold | 001 | F01 | 7688 | .2 | 1.0 | 2.8 | 4.7 | 7.6 | 12.5 | 15.0 | 20.7 | 39.6 | 6.0 | 4.71 | 3.98 | 2.86 |
| 043 Hackensack | 001 | F01 | 7139 | .2 | .2 | .9 | 1.6 | 2.7 | 5.0 | 6.9 | 13.5 | 31.6 | | | | |
| 043 Jersey City | 002 | F01 | 7266 | .2 | 2.1 | 4.5 | 6.8 | 10.0 | 15.9 | 20.0 | 28.1 | 41.8 | | | | |

## CARBON MONOXIDE, milligrams per cubic meter (25 C)
## INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NEW JERSEY — Cont.** | | | | | | | | | | | | | | | | |
| 043 Morristown | 001 | F01 | 7700 | .2 | .2 | .8 | 1.7 | 3.0 | 5.7 | 7.0 | 10.4 | 19.7 | 2.4 | 2.37 | 1.39 | 3.24 |
| 043 Newark | 002 | F01 | 7612 | .2 | 1.1 | 2.7 | 4.2 | 6.1 | 9.8 | 12.2 | 17.8 | 33.7 | | | | |
| 043 Paterson | 003 | F01 | 7614 | .2 | 1.0 | 3.1 | 5.2 | 7.8 | 12.8 | 15.5 | 21.0 | 33.7 | | | | |
| 043 Perth Amboy | 003 | F01 | 7704 | .2 | 1.3 | 2.9 | 4.4 | 6.5 | 10.2 | 12.4 | 18.1 | 33.6 | 5.3 | 3.80 | 3.90 | 2.37 |
| 043 Somerville | 001 | F01 | 7750 | .2 | .6 | 2.0 | 3.7 | 6.1 | 12.3 | 16.1 | 24.7 | 56.7 | 5.3 | 5.33 | 3.15 | 3.16 |
| 045 Burlington | 001 | F01 | 7287 | .2 | 2.4 | 4.0 | 5.7 | 8.2 | 12.5 | 14.8 | 20.5 | 43.7 | 6.7 | 4.31 | 5.48 | 1.99 |
| 045 Camden | 003 | F01 | 8419 | .2 | .8 | 1.7 | 2.3 | 3.2 | 5.0 | 6.5 | 12.5 | 33.9 | 2.8 | 2.43 | 2.12 | 2.27 |
| | 004 | F01 | 7698 | .2 | 1.7 | 2.7 | 3.6 | 4.7 | 7.1 | 8.6 | 12.8 | 25.1 | 4.1 | 2.42 | 3.43 | 1.89 |
| 045 Camden Co | 001 | F01 | 7127 | .2 | .6 | 1.3 | 1.8 | 2.4 | 3.6 | 4.1 | 5.5 | 15.9 | | | | |
| 045 Paulsboro | 001 | F01 | 7739 | .2 | 1.6 | 3.0 | 4.0 | 5.2 | 7.3 | 8.7 | 12.7 | 22.0 | 4.4 | 2.48 | 3.61 | 2.01 |
| 045 Penns Grove | 001 | F01 | 7382 | .2 | 1.2 | 2.1 | 3.0 | 4.3 | 7.4 | 9.3 | 13.9 | 43.5 | | | | |
| 045 Trenton | 002 | F01 | 7773 | .2 | 2.8 | 5.3 | 8.1 | 12.8 | 20.4 | 24.1 | 32.1 | 49.4 | 10.2 | 7.22 | 7.80 | 2.18 |
| 150 Atlantic City | 002 | F01 | 6356 | .2 | .2 | 1.5 | 2.6 | 4.3 | 7.9 | 9.9 | 14.8 | 26.2 | | | | |
| 150 Toms River | 001 | F01 | 7592 | .2 | 1.1 | 2.5 | 4.3 | 6.8 | 11.7 | 14.6 | 19.8 | 55.7 | 5.5 | 4.57 | 3.74 | 2.69 |
| 151 Phillipsburg | 002 | F01 | 7521 | .2 | .2 | 1.2 | 2.3 | 3.6 | 5.7 | 7.1 | 11.1 | 23.2 | 2.8 | 2.37 | 1.79 | 2.92 |
| **NEW MEXICO** | | | | | | | | | | | | | | | | |
| 152 Albuquerque | 002 | A05 | 711 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 | 6.9 | 9.2 | 11.5 | 18.4 | | | | |
| | 002 | H01 | 7090 | .2 | 1.1 | 2.3 | 3.4 | 4.6 | 8.0 | 10.3 | 17.2 | 35.6 | | | | |
| | 080 | A05 | 263 | .2 | .6 | 1.1 | 1.7 | 2.9 | 5.2 | 7.5 | 13.2 | 27.6 | | | | |
| | 081 | A05 | 240 | .2 | .6 | 1.1 | 1.7 | 2.9 | 5.2 | 6.3 | 8.6 | 10.9 | | | | |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 043 Hempstead | 005 | F01 | 6524 | .2 | .6 | 1.5 | 2.4 | 3.9 | 6.9 | 8.7 | 14.4 | 37.7 | | | | |
| 043 Mamaroneck | 002 | F01 | 4302 | .2 | .8 | 1.7 | 2.8 | 4.1 | 6.6 | 7.9 | 11.7 | 17.9 | | | | |
| 043 New York City | 014 | H01 | 6231 | .2 | 2.3 | 2.3 | 3.4 | 4.6 | 6.9 | 8.0 | 11.5 | 24.1 | | | | |
| | 023 | H01 | 8454 | 1.1 | 5.7 | 9.2 | 13.8 | 17.2 | 23.0 | 28.7 | 36.8 | 80.5 | 14.2 | 7.35 | 12.38 | 1.73 |
| | 050 | F01 | 6284 | .2 | 1.0 | 2.0 | 2.8 | 3.8 | 5.6 | 7.0 | 11.0 | 25.6 | | | | |
| | 058 | H01 | 8121 | .2 | 5.7 | 10.3 | 14.9 | 19.5 | 25.3 | 28.7 | 34.5 | 66.7 | 15.2 | 7.59 | 13.01 | 1.86 |
| | 059 | H01 | 2750 | 1.1 | 5.7 | 9.2 | 12.6 | 17.2 | 21.8 | 25.3 | 31.0 | 42.5 | | | | |
| | 060 | H01 | 1305 | .2 | 5.7 | 9.2 | 12.6 | 17.2 | 21.8 | 25.3 | 31.0 | 36.8 | | | | |
| | 062 | H01 | 7231 | .2 | 3.4 | 6.9 | 9.2 | 13.8 | 23.0 | 31.0 | 43.7 | 97.7 | | | | |
| 158 Syracuse | 005 | F01 | 6877 | .2 | 1.8 | 2.6 | 3.2 | 3.9 | 5.3 | 6.3 | 9.1 | 27.3 | | | | |
| | 011 | F01 | 2797 | 1.3 | 5.2 | 7.8 | 9.4 | 10.5 | 12.3 | 13.8 | 18.9 | 36.2 | | | | |
| 160 Rochester | 004 | F01 | 6714 | .2 | .7 | 1.4 | 2.1 | 3.0 | 4.5 | 5.3 | 7.9 | 16.7 | | | | |
| | 080 | A05 | 94 | .2 | .6 | 1.7 | 2.3 | 4.0 | 8.6 | 11.5 | 14.9 | 14.9 | | | | |
| 161 Columbia Co | 002 | F01 | 3020 | .2 | .2 | .8 | 1.5 | 2.1 | 3.0 | 3.4 | 4.7 | 6.1 | | | | |
| 161 Kingston | 002 | F01 | 6030 | .2 | .8 | 1.6 | 2.5 | 3.2 | 4.7 | 5.7 | 9.9 | 22.7 | | | | |
| 161 Rensselaer | 001 | F01 | 7425 | .2 | 1.7 | 2.8 | 3.2 | 3.7 | 4.7 | 5.3 | 7.1 | 16.2 | 3.3 | 1.25 | 2.99 | 1.58 |
| 162 Buffalo | 005 | F01 | 7737 | .2 | 1.3 | 2.0 | 2.4 | 3.1 | 4.7 | 5.7 | 8.9 | 18.9 | 2.8 | 1.64 | 2.40 | 1.76 |
| 162 Niagara Falls | 006 | F01 | 7012 | .2 | 1.5 | 2.8 | 3.7 | 4.6 | 5.9 | 6.4 | 8.0 | 16.0 | | | | |
| **NORTH CAROLINA** | | | | | | | | | | | | | | | | |
| 167 Charlotte | 081 | G01 | 1423 | .2 | .2 | 1.1 | 1.7 | 3.4 | 6.3 | 8.0 | 16.7 | 26.4 | | | | |
| **OHIO** | | | | | | | | | | | | | | | | |
| 079 Cincinnati | 003 | A05 | 335 | 1.1 | 2.3 | 3.4 | 4.0 | 5.2 | 9.2 | 10.3 | 13.8 | 17.2 | | | | |
| | 003 | A10 | 6118 | .2 | .2 | 1.1 | 2.3 | 3.4 | 5.7 | 6.9 | 12.6 | 27.6 | | | | |
| 124 Toledo | 006 | H01 | 3865 | .2 | 1.4 | 3.2 | 5.4 | 8.0 | 11.5 | 13.2 | 16.1 | 19.0 | | | | |
| | 007 | H01 | 6374 | .2 | 1.7 | 2.9 | 4.0 | 5.2 | 6.9 | 8.0 | 10.9 | 16.1 | | | | |
| 173 Dayton | 018 | G01 | 2128 | .2 | .6 | 1.7 | 2.9 | 4.6 | 8.0 | 10.9 | 17.2 | 31.6 | | | | |
| 174 Cleveland | 033 | H01 | 1015 | .2 | .2 | .6 | 1.1 | 2.3 | 4.6 | 6.3 | 10.9 | 17.2 | | | | |
| | 035 | H01 | 784 | .2 | .2 | 1.1 | 1.7 | 2.9 | 4.6 | 5.7 | 9.2 | 11.5 | | | | |
| | 082 | A05 | 225 | .6 | .6 | 1.7 | 2.3 | 2.9 | 4.6 | 5.7 | 9.8 | 11.5 | | | | |
| 176 Columbus | 008 | F01 | 1818 | .2 | .2 | .6 | 1.1 | 1.7 | 3.4 | 4.6 | 9.2 | 23.6 | | | | |
| | 080 | A05 | 12 | .3 | .3 | .3 | 3 | .3 | .3 | .3 | 3 | .3 | | | | |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 184 Oklahoma City | 018 | F01 | 4380 | .2 | .6 | 1.7 | 2.9 | 4.6 | 7.5 | 9.8 | 18.4 | 61.5 | | | | |
| | 022 | F01 | 70 | .2 | .6 | 2.3 | 3.4 | 5.2 | 8.0 | 9.2 | 11.5 | 11.5 | | | | |
| 186 Tulsa | 126 | F01 | 1749 | .2 | .2 | .6 | 1.7 | 2.3 | 5.2 | 6.9 | 11.5 | 25.3 | | | | |

## CARBON MONOXIDE, milligrams per cubic meter (25 C)
## INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Eugene | 007 | F01 | 5845 | .3 | 1.2 | 1.7 | 2.3 | 2.9 | 4.6 | 5.8 | 8.1 | 16.1 | | | | |
| 193 Portland | 002 | F01 | 8557 | .6 | 1.1 | 2.3 | 3.4 | 5.7 | 11.5 | 13.8 | 23.0 | 48.3 | 5.1 | 4.74 | 3.47 | 2.43 |
| | 060 | F01 | 7849 | .3 | 1.1 | 2.3 | 3.4 | 4.6 | 7.4 | 9.2 | 11.4 | 21.7 | 3.9 | 2.63 | 2.99 | 2.24 |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 002 | A01 | 340 | 2 | 1.1 | 2.3 | 3.4 | 4.6 | 8.0 | 10.3 | 25.3 | 32.2 | | | | |
| | 002 | A10 | 5656 | 2 | 1.1 | 1.1 | 2.3 | 3.4 | 5.7 | 8.0 | 13.8 | 36.8 | | | | |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Providence | 005 | F01 | 661 | .3 | .6 | .6 | 1.1 | 2.9 | 5.2 | 6.9 | 13.2 | 18.4 | | | | |
| | 007 | F01 | 390 | .6 | 1.1 | 2.3 | 3.4 | 4.0 | 6.9 | 9.2 | 11.5 | 15.5 | | | | |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 000 Nashville | 080 | G01 | 1065 | .2 | 1.7 | 3.4 | 5.7 | 8.6 | 13.2 | 17.2 | 25.3 | 103.5 | | | | |
| 018 Memphis | 001 | G01 | 549 | .2 | .2 | .6 | 1.5 | 2.6 | 5.7 | 7.5 | 12.1 | 17.2 | | | | |
| | 080 | A05 | 116 | .2 | .2 | .9 | 1.7 | 2.3 | 3.2 | 3.8 | 4.9 | 4.9 | | | | |
| 208 Nashville | 080 | A05 | 60 | 1.7 | 2.3 | 4.6 | 6.3 | 6.9 | 8.6 | 9.8 | 19.0 | 19.0 | | | | |
| **TEXAS** | | | | | | | | | | | | | | | | |
| 153 El Paso | 080 | G01 | 1459 | .2 | 2.0 | 3.4 | 5.3 | 7.9 | 13.2 | 16.4 | 24.1 | 43.2 | | | | |
| 212 Austin | 080 | A05 | 264 | .2 | .2 | 1.1 | 1.7 | 2.3 | 3.4 | 4.6 | 6.3 | 8.6 | | | | |
| | 083 | A05 | 31 | .2 | .2 | .6 | 1.7 | 2.3 | 3.4 | 4.6 | 4.6 | 4.6 | | | | |
| 215 Dallas | 023 | H01 | 270 | .2 | .2 | .2 | .6 | 1.7 | 3.4 | 4.0 | 8.6 | 15.5 | | | | |
| | 080 | A05 | 350 | .2 | .2 | .2 | .6 | 1.1 | 1.7 | 2.9 | 5.7 | 7.5 | | | | |
| 217 San Antonio | 080 | G01 | 1081 | .2 | .2 | .2 | 1.1 | 2.3 | 4.6 | 6.9 | 12.6 | 28.2 | | | | |
| **UTAH** | | | | | | | | | | | | | | | | |
| 220 Magna | 001 | F02 | 7677 | .2 | .2 | 1.1 | 2.3 | 2.3 | 4.6 | 5.7 | 8.0 | 26.4 | 2.2 | 1.90 | 1.38 | 2.94 |
| 220 Ogden | 001 | F01 | 6540 | .2 | 1.1 | 2.3 | 3.4 | 5.7 | 9.2 | 12.6 | 19.5 | 34.5 | | | | |
| 220 Provo | 001 | F01 | 5550 | .2 | 1.1 | 2.3 | 3.4 | 4.6 | 8.0 | 10.3 | 17.2 | 42.5 | | | | |
| 220 Salt Lake City | 001 | F01 | 6513 | .2 | 1.1 | 2.3 | 3.4 | 5.7 | 9.2 | 12.6 | 20.7 | 40.2 | | | | |
| **VERMONT** | | | | | | | | | | | | | | | | |
| 159 Burlington | 003 | F01 | 3078 | 1.1 | 3.4 | 5.7 | 6.9 | 8.0 | 10.3 | 11.5 | 13.8 | 19.5 | | | | |
| 221 Barre | 002 | F05 | 1642 | .6 | 1.7 | 2.3 | 2.9 | 3.4 | 5.7 | 6.3 | 7.5 | 9.2 | | | | |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 000 Norfolk | 080 | F01 | 1632 | .2 | .2 | .6 | 1.1 | 1.7 | 4.0 | 5.2 | 8.6 | 29.3 | | | | |
| 047 Seven Corners | 004 | G01 | 5951 | .6 | 1.1 | 1.7 | 2.9 | 3.4 | 6.3 | 7.5 | 10.3 | 19.0 | | | | |
| 225 Richmond | 009 | F01 | 1455 | .2 | .6 | 1.1 | 2.3 | 4.6 | 8.0 | 9.8 | 16.1 | 30.5 | | | | |
| | 080 | A05 | 326 | .2 | .6 | 1.7 | 2.9 | 4.6 | 5.7 | 6.9 | 12.6 | 13.8 | | | | |
| **WASHINGTON** | | | | | | | | | | | | | | | | |
| 062 Spokane | 011 | F01 | 7709 | .2 | 2.3 | 2.3 | 4.6 | 6.9 | 10.3 | 13.8 | 20.7 | 46.0 | 5.4 | 4.11 | 4.14 | 2.17 |
| | 012 | F01 | 5476 | .2 | 1.1 | 2.3 | 2.3 | 3.4 | 6.9 | 8.0 | 12.6 | 24.1 | | | | |
| 193 Longview | 003 | F01 | 5761 | .2 | 1.1 | 2.3 | 3.4 | 3.4 | 4.6 | 5.7 | 6.9 | 13.8 | | | | |
| | 004 | F01 | 7268 | .2 | .2 | 1.1 | 1.1 | 2.3 | 3.4 | 3.4 | 5.7 | 17.2 | 1.8 | 1.23 | 1.39 | 2.33 |
| 229 Everett | 007 | F01 | 6252 | .2 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 | 5.7 | 6.9 | 11.5 | | | | |
| 229 Seattle | 051 | F01 | 4468 | .2 | 1.1 | 3.4 | 4.6 | 6.9 | 11.5 | 14.9 | 20.7 | 34.5 | | | | |
| 229 Tacoma | 001 | F01 | 7944 | .2 | .2 | 2.3 | 3.4 | 5.7 | 8.0 | 9.2 | 13.8 | 25.3 | 4.2 | 3.03 | 2.81 | 2.92 |
| **WEST VIRGINIA** | | | | | | | | | | | | | | | | |
| 234 Charleston | 004 | F01 | 2470 | .2 | 1.7 | 2.3 | 2.9 | 3.4 | 5.2 | 5.7 | 8.0 | 12.6 | | | | |

## CARBON MONOXIDE, milligrams per cubic meter (25 C)
## INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **WISCONSIN** | | | | | | | | | | | | | | | | |
| 000 Milwaukee | 080 | G01 | 23 | 1.1 | 1.1 | 2.3 | 2.9 | 4.0 | 7.5 | 8.6 | 9.2 | 9.2 | | | | |
| 239 Milwaukee | 080 | A05 | 177 | 1.1 | 1.1 | 2.3 | 2.9 | 4.0 | 5.7 | 6.9 | 13.2 | 16.1 | | | | |
| | 080 | G02 | 1397 | .2 | 1.1 | 1.7 | 2.9 | 3.4 | 5.2 | 5.7 | 8.6 | 12.1 | 3.0 | 1.64 | 2.55 | 1.81 |

## CARBON MONOXIDE, milligrams per cubic meter (25 C)
## INSTRUMENTAL GAS CHROMATOGRAPHIC, 1 hour

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 079 Newport | 001 | F01 | 2128 | .2 | 1.7 | 3.4 | 4.6 | 6.3 | 10.9 | 14.4 | 20.1 | 51.7 | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL WEST-GAEKE COLORIMETRIC, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Denver | 002 | A10 | 3835 | 13. | 13. | 13. | 13. | 13. | 52. | 105. | 210. | 550. | | | | |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 042 New Britain | 002 | F01 | 715 | 13. | 13. | 13. | 31. | 42. | 62. | 73. | 130. | 182. | | | | |
| **DELAWARE** | | | | | | | | | | | | | | | | |
| 045 New Castle | 001 | F01 | 1774 | 13. | 13. | 39. | 52. | 79. | 157. | 236. | 524. | 943. | | | | |
| 045 New Castle Co | 001 | F01 | 748 | 13. | 13. | 52. | 92. | 144. | 354. | 524. | 1179. | 1572. | | | | |
| | 010 | F01 | 1416 | 13. | 13. | 13. | 52. | 92. | 183. | 249. | 485. | 1179. | | | | |
| 045 Wilmington | 002 | F01 | 2102 | 13. | 13. | 52. | 79. | 105. | 210. | 301. | 524. | 1320. | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 003 | A10 | 7350 | 13. | 13. | 13. | 52. | 79. | 157. | 183. | 262. | 524. | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 067 Chicago | 002 | A10 | 4871 | 13. | 13. | 13. | 52. | 157. | 288. | 393. | 603. | 943. | | | | |
| 070 Venice | 002 | F01 | 265 | 13. | 13. | 13. | 13. | 52. | 79. | 131. | 262. | 314. | | | | |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Mc Cracken Co | 001 | F02 | 4315 | 13. | 13. | 13. | 13. | 13. | 76. | 115. | 406. | 2869. | | | | |
| 079 Newport | 001 | F01 | 5523 | 13. | 13. | 13. | 47. | 79. | 157. | 196. | 265. | 534. | | | | |
| **MAINE** | | | | | | | | | | | | | | | | |
| 107 Augusta | 001 | F01 | 5153 | 13. | 13. | 27. | 53. | 80. | 180. | 340. | 890. | 2860. | | | | |
| 110 Portland | 004 | F01 | 7393 | 13. | 13. | 13. | 55. | 103. | 205. | 270. | 385. | 760. | | | | |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Rockville | 003 | G01 | 2388 | 13. | 13. | 13. | 13. | 52. | 79. | 105. | 157. | 183. | | | | |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 119 Boston | 002 | F01 | 4041 | 13. | 13. | 52. | 65. | 105. | 157. | 210. | 328. | 550. | | | | |
| 119 Cambridge | 004 | F01 | 3197 | 13. | 13. | 39. | 52. | 92. | 157. | 196. | 288. | 511. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Afton | 001 | G01 | 2723 | 13. | 13. | 13. | 39. | 55. | 92. | 131. | 270. | 713. | | | | |
| 070 Bellefontaine Neighbors | 002 | G01 | 2647 | 13. | 13. | 13. | 29. | 52. | 92. | 121. | 191. | 485. | | | | |
| 070 Clayton | 001 | G01 | 2917 | 13. | 13. | 13. | 13. | 45. | 94. | 128. | 210. | 453. | | | | |
| 070 St Ann | 001 | G01 | 2788 | 13. | 13. | 13. | 31. | 47. | 79. | 107. | 191. | 498. | | | | |
| 070 St Louis | 002 | A10 | 7101 | 13. | 13. | 13. | 13. | 13. | 131. | 210. | 498. | 1389. | | | | |
| 070 St Louis Co | 006 | G01 | 474 | 13. | 13. | 13. | 13. | 45. | 81. | 115. | 278. | 430. | | | | |
| **NEW JERSEY** | | | | | | | | | | | | | | | | |
| 043 Asbury Park | 001 | F01 | 7600 | 13. | 13. | 13. | 13. | 13. | 39. | 55. | 100. | 246. | 20. | 18.19 | 16.51 | 1.67 |
| 043 Bayonne | 003 | F01 | 8330 | 13. | 13. | 31. | 55. | 89. | 176. | 225. | 356. | 652. | 77. | 76.15 | 49.42 | 2.65 |
| 043 Elizabeth | 003 | F01 | 7713 | 13. | 13. | 13. | 47. | 84. | 181. | 262. | 458. | 781. | 77. | 89.85 | 45.57 | 2.78 |
| 043 Freehold | 001 | F01 | 7520 | 13. | 13. | 13. | 13. | 13. | 52. | 73. | 139. | 304 | 25. | 26.73 | 18.89 | 1.90 |
| 043 Hackensack | 001 | F01 | 7051 | 13. | 13. | 13. | 29. | 52. | 115. | 160. | 254. | 519. | | | | |
| 043 Jersey City | 002 | F01 | 7279 | 13. | 13. | 31. | 58. | 97. | 178. | 238. | 419. | 896. | | | | |
| 043 Morristown | 001 | F01 | 7543 | 13. | 13. | 13. | 13. | 45. | 89. | 118. | 181. | 477. | 39. | 39.20 | 26.45 | 2.28 |
| 043 Newark | 002 | F01 | 7860 | 13. | 13. | 31. | 55. | 89. | 176. | 246. | 380. | 710. | 79. | 80.85 | 50.73 | 2.64 |
| 043 Paterson | 003 | F01 | 7642 | 13. | 13. | 13. | 29. | 42. | 79. | 105. | 173. | 448. | 37. | 35.46 | 26.72 | 2.16 |
| 043 Perth Amboy | 003 | F01 | 7652 | 13. | 13. | 13. | 39. | 73. | 157. | 220. | 422. | 2080. | 68. | 87.10 | 39.93 | 2.72 |
| 043 Somerville | 001 | F01 | 7708 | 13. | 13. | 13. | 13. | 37. | 76. | 107. | 191. | 409. | 34. | 37.95 | 23.35 | 2.18 |
| 045 Burlington | 001 | F01 | 7502 | 13. | 13. | 13. | 13. | 37. | 86. | 121. | 223. | 595. | | | | |
| 045 Camden | 003 | F01 | 8451 | 13. | 13. | 13. | 50. | 89. | 181. | 236. | 369. | 1027. | 75. | 82.75 | 43.81 | 2.89 |

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## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL WEST-GAEKE COLORIMETRIC, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NEW JERSEY — Cont.** | | | | | | | | | | | | | | | | |
| | 004 | F01 | 7102 | 13. | 13. | 13. | 50. | 84. | 155. | 196. | 304. | 542. | | | | |
| 045 Camden Co | 001 | F01 | 7244 | 13. | 13. | 13. | 13. | 13. | 55. | 84. | 162. | 364. | 25. | 29.70 | 18.33 | 1.93 |
| 045 Paulsboro | 001 | F01 | 7328 | 13. | 13. | 13. | 42. | 73. | 141. | 181. | 288. | 592. | | | | |
| 045 Penns Grove | 001 | F01 | 7547 | 13. | 13. | 13. | 29. | 50. | 105. | 152. | 301. | 752. | 47. | 59.90 | 29.78 | 2.45 |
| 045 Trenton | 002 | F01 | 7630 | 13. | 13. | 13. | 29. | 50. | 89. | 115. | 189. | 482. | 41. | 39.19 | 28.57 | 2.26 |
| 150 Atlantic City | 002 | F01 | 7265 | 13. | 13. | 13. | 13. | 13. | 58. | 73. | 107. | 320. | | | | |
| 150 Toms River | 001 | F01 | 7579 | 13. | 13. | 13. | 13. | 13. | 47. | 65. | 102. | 262. | 21. | 20.61 | 17.09 | 1.75 |
| 151 Phillipsburg | 002 | F01 | 7487 | 13. | 13. | 13. | 39. | 68. | 131. | 173. | 286. | 1410. | 58. | 63.80 | 37.13 | 2.57 |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 043 New York City | 050 | F01 | 1927 | 13. | 13. | 55. | 89. | 134. | 215. | 267. | 440. | 1051. | | | | |
| 158 Syracuse | 005 | F01 | 6454 | 13. | 13. | 13. | 42. | 65. | 118. | 168. | 322. | 728. | | | | |
| | 011 | F01 | 4291 | 13. | 13. | 13. | 39. | 68. | 128. | 165. | 262. | 521. | | | | |
| 160 Rochester | 004 | F01 | 22 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | | | | |
| 161 Columbia Co | 002 | F01 | 3120 | 13. | 13. | 13. | 13. | 34. | 65. | 94. | 160. | 275. | | | | |
| 162 Buffalo | 005 | F01 | 6552 | 13. | 13. | 42. | 79. | 131. | 241. | 301. | 458. | 5216. | | | | |
| 162 Niagara Falls | 006 | F01 | 2997 | 13. | 13. | 65. | 128. | 183. | 278. | 341. | 493. | 849. | | | | |
| **OHIO** | | | | | | | | | | | | | | | | |
| 079 Cincinnati | 003 | A10 | 5792 | 13. | 13. | 13. | 13. | 13. | 79. | 105. | 236. | 629. | | | | |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 002 | A10 | 6483 | 13. | 13. | 13. | 52. | 79. | 183. | 262. | 472. | 786. | | | | |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Providence | 005 | F01 | 2993 | 13. | 13. | 37. | 52. | 92. | 157. | 209. | 393. | 942. | | | | |
| **VERMONT** | | | | | | | | | | | | | | | | |
| 159 Burlington | 003 | F01 | 4383 | 13. | 13. | 13. | 13. | 42. | 100. | 149. | 267. | 752. | | | | |
| 221 Barre | 001 | F01 | 2232 | 13. | 13. | 13. | 13. | 45. | 115. | 165. | 299. | 642. | | | | |
| | 002 | F05 | 1128 | 13. | 13. | 13. | 13. | 31. | 60. | 79. | 141. | 207. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CONDUCTIMETRIC, 1 hour

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ARIZONA** | | | | | | | | | | | | | | | | |
| 015 Maricopa Co | 003 | G01 | 8207 | 13. | 13. | 13. | 13. | 13. | 39. | 86. | 223. | 1179. | 25. | 46.54 | 16.84 | 1.93 |
| 015 Phoenix | 002 | G01 | 672 | 13. | 13. | 13. | 13. | 2620. | 2620. | 5240. | 7860. | 7860. | | | | |
| **CALIFORNIA** | | | | | | | | | | | | | | | | |
| 024 Anaheim | 001 | I01 | 8319 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 131. | 393. | 22. | 26.64 | 16.80 | 1.84 |
| 024 Azusa | 002 | I01 | 8512 | 13. | 13. | 13. | 13. | 52. | 79. | 105. | 131. | 236. | 33. | 30.63 | 23.44 | 2.22 |
| 024 Burbank | 002 | I01 | 8283 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 131. | 183. | 28. | 26.53 | 20.38 | 2.06 |
| 024 La Habra | 001 | I01 | 8444 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 157. | 288. | 25. | 29.16 | 17.90 | 1.96 |
| 024 Lennox | 001 | I01 | 8518 | 13. | 13. | 13. | 13. | 52. | 105. | 157. | 262. | 1310. | 49. | 61.67 | 28.95 | 2.63 |
| 024 Long Beach | 002 | I01 | 8361 | 13. | 13. | 13. | 52. | 79. | 131. | 183. | 341. | 1441. | 60. | 75.49 | 34.96 | 2.78 |
| 024 Los Angeles | 001 | I01 | 8415 | 13. | 13. | 13. | 52. | 52. | 79. | 105. | 131. | 288. | 41. | 32.57 | 29.37 | 2.28 |
| | 002 | I01 | 8515 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 105. | 288. | 28. | 25.04 | 20.50 | 2.03 |
| 024 Los Angeles Co | 001 | I01 | 8579 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 105. | 210. | 24. | 22.71 | 18.19 | 1.89 |
| 024 Pomona | 001 | I01 | 8519 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 105. | 210. | 26. | 23.58 | 19.32 | 1.97 |
| 024 Riverside | 001 | I01 | 4325 | 13. | 13. | 13. | 13. | 13. | 13. | 52. | 131. | 236. | | | | |
| 024 San Bernardino | 001 | I01 | 7133 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 131. | 210. | | | | |
| 024 Santa Ana | 002 | I01 | 6833 | 13. | 13. | 13. | 13. | 13. | 52. | 52. | 131. | 419. | | | | |
| 030 Richmond | 001 | I01 | 4028 | 13. | 13. | 13. | 13. | 13. | 52. | 105. | 262. | 1048. | | | | |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 041 Norwich | 001 | F01 | 400 | 13. | 13. | 52. | 52. | 79. | 105. | 131. | 183. | 288. | | | | |
| 042 Enfield | 002 | F01 | 1563 | 13. | 13. | 52. | 52. | 79. | 183. | 262. | 419. | 655. | | | | |
| 042 Milford | 002 | F01 | 1430 | 13. | 13. | 13. | 13. | 52. | 79. | 131. | 288. | 524. | | | | |
| 042 New Britain | 002 | F01 | 6862 | 13. | 13. | 52. | 79. | 105. | 183. | 236. | 314. | 603. | | | | |
| 042 New Haven | 004 | F01 | 2373 | 13. | 13. | 13. | 13. | 52. | 105. | 157. | 262. | 393. | | | | |
| | 008 | F01 | 2419 | 13. | 13. | 13. | 52. | 52. | 79. | 105. | 131. | 236. | | | | |
| 042 Waterbury | 001 | F01 | 7294 | 13. | 39. | 62. | 86. | 112. | 174. | 231. | 439. | 811. | | | | |
| 043 Greenwich | 001 | F01 | 7029 | 13. | 13. | 52. | 52. | 79. | 105. | 131. | 210. | 393. | 59. | 43.66 | 43.13 | 2.32 |
| | 004 | F01 | 6105 | 13. | 13. | 13. | 13. | 52. | 79. | 105. | 157. | 367. | | | | |
| | 008 | F01 | 6800 | 13. | 13. | 52. | 52. | 79. | 131. | 157. | 288. | 524. | | | | |
| 043 Norwalk | 005 | F01 | 7518 | 13. | 13. | 13. | 52. | 79. | 131. | 183. | 314. | 655. | | | | |
| 043 Stamford | 003 | F01 | 7256 | 13. | 13. | 39. | 75. | 125. | 262. | 356. | 603. | 975. | | | | |
| | 010 | F01 | 1606 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 79. | | | | |
| **DELAWARE** | | | | | | | | | | | | | | | | |
| 045 New Castle Co | 003 | F01 | 4983 | 13. | 13. | 39. | 52. | 71. | 123. | 162. | 301. | 930. | | | | |
| | 004 | F01 | 3220 | 13. | 13. | 52. | 71. | 97. | 157. | 275. | 616. | 1480. | | | | |
| | 005 | F01 | 1563 | 13. | 31. | 52. | 65. | 79. | 144. | 215. | 438. | 786. | | | | |
| | 006 | F01 | 4749 | 13. | 13. | 39. | 52. | 79. | 131. | 176. | 367. | 668. | | | | |
| | 007 | F01 | 2117 | 13. | 13. | 13. | 13. | 31. | 97. | 123. | 241. | 419. | | | | |
| 045 Wilmington | 004 | F01 | 4315 | 13. | 13. | 31. | 65. | 118. | 183. | 249. | 550. | 1113. | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 009 | I02 | 1017 | 13. | 42. | 63. | 84. | 105. | 147. | 168. | 210. | 314. | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 067 Chicago | 003 | H01 | 7752 | 13. | 13. | 13. | 13. | 13. | 105. | 157. | 288. | 5685. | 37. | 122.03 | 20.06 | 2.38 |
| | 004 | H01 | 7474 | 13. | 13. | 13. | 52. | 79. | 183. | 262. | 498. | 6995. | 83. | 207.91 | 39.10 | 3.20 |
| | 005 | H01 | 7984 | 13. | 13. | 13. | 13. | 79. | 157. | 236. | 445. | 1127. | 64. | 89.78 | 32.59 | 3.02 |
| | 006 | H01 | 7070 | 13. | 13. | 13. | 52. | 105. | 210. | 262. | 393. | 8620. | | | | |
| | 007 | H01 | 6169 | 13. | 13. | 13. | 13. | 52. | 131. | 157. | 288. | 5240. | | | | |
| | 008 | H01 | 5733 | 13. | 13. | 13. | 13. | 79. | 157. | 236. | 445. | 5266. | | | | |
| | 009 | H01 | 7187 | 13. | 13. | 13. | 13. | 13. | 79. | 131. | 288. | 5292. | | | | |
| | 010 | H01 | 8184 | 13. | 13. | 13. | 13. | 13. | 105. | 157. | 341. | 943. | 39. | 65.76 | 21.87 | 2.46 |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Mc Cracken Co | 003 | N02 | 211 | 52. | 52. | 52. | 105. | 210. | 529. | 838. | 1258. | 1258. | | | | |
| | 004 | N02 | 135 | 52. | 52. | 105. | 105. | 210. | 419. | 629. | 1153. | 1467. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CONDUCTIMETRIC, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Cheverly | 001 | G01 | 1777 | 13. | 31. | 42. | 47. | 52. | 68. | 79. | 86. | 94. | | | | |
| 047 College Park | 001 | K01 | 3104 | 13. | 13. | 13. | 13. | 13. | 13. | 52. | 105. | 2594. | | | | |
| 113 Allegany Co | 001 | G01 | 1731 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 314. | 2594. | | | | |
| 113 Cumberland | 001 | G01 | 2120 | 13. | 13. | 52. | 79. | 131. | 210. | 236. | 314. | 445. | | | | |
| 113 Hagerstown | 002 | F01 | 3745 | 13. | 13. | 13. | 13. | 52. | 79. | 105. | 131. | 2594. | | | | |
| 113 Westernport | 001 | F01 | 794 | 13. | 13. | 13. | 13. | 52. | 105. | 157. | 367. | 2594. | | | | |
| 115 Baltimore | 017 | F01 | 3446 | 13. | 13. | 13. | 13. | 52. | 79. | 105. | 183. | 2594. | | | | |
| 115 Dundalk | 001 | F01 | 3004 | 13. | 13. | 13. | 13. | 52. | 105. | 157. | 262. | 498. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 St Louis | 002 | A05 | 991 | 13. | 13. | 13. | 13. | 13. | 131. | 288. | 760. | 2489. | | | | |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 043 New York City | 014 | H01 | 8650 | 13. | 13. | 79. | 131. | 183. | 314. | 393. | 603. | 1179. | 152. | 121.99 | 106.83 | 2.57 |
| **OHIO** | | | | | | | | | | | | | | | | |
| 124 Oregon | 001 | H01 | 5259 | 13. | 39. | 63. | 94. | 149. | 314. | 409. | 872. | 2824. | | | | |
| 124 Toledo | 001 | H01 | 1058 | 13. | 13. | 65. | 105. | 144. | 262. | 393. | 786. | 1310. | | | | |
| | 006 | H01 | 6431 | 13. | 13. | 34. | 60. | 92. | 165. | 262. | 574. | 1213. | | | | |
| | 007 | H01 | 6490 | 13. | 13. | 39. | 63. | 92. | 157. | 220. | 445. | 1310. | | | | |
| | 009 | H01 | 4496 | 13. | 13. | 34. | 60. | 79. | 134. | 173. | 291. | 589. | | | | |
| 174 Akron | 013 | H01 | 3634 | 13. | 13. | 26. | 52. | 52. | 131. | 183. | 314. | 812. | | | | |
| 174 Barberton | 006 | H01 | 1824 | 13. | 13. | 26. | 26. | 52. | 157. | 288. | 760. | 1022. | | | | |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Portland | 002 | F01 | 8186 | 13. | 13. | 13. | 13. | 52. | 79. | 131. | 210. | 445. | 38. | 45.79 | 23.84 | 2.40 |
| **UTAH** | | | | | | | | | | | | | | | | |
| 220 Kearns | 001 | F01 | 6289 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 1572. | 3930. | | | | |
| 220 Magna | 001 | F02 | 7376 | 13. | 13. | 13. | 13. | 13. | 37. | 63. | 786. | 4716. | | | | |
| 220 Ogden | 001 | F01 | 6841 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 52. | 262. | | | | |
| 220 Provo | 001 | F01 | 7541 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 52. | | | | |
| 220 Salt Lake City | 001 | F01 | 8029 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 524. | 2882. | 28. | 109.23 | 14.67 | 1.85 |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 047 Alexandria | 009 | H01 | 2521 | 13. | 13. | 13. | 78. | 36240. | 75100. | 75100. | 43220. | 11340. | | | | |
| 047 Seven Corners | 004 | G01 | 6010 | 13. | 31. | 55. | 73. | 94. | 157. | 189. | 293. | 487. | | | | |
| **WASHINGTON** | | | | | | | | | | | | | | | | |
| 062 Spokane | 012 | F01 | 5875 | 13. | 13. | 13. | 79. | 131. | 157. | 183. | 210. | 367. | | | | |
| 193 Longview | 004 | F01 | 7146 | 13. | 13. | 13. | 52. | 52. | 105. | 105. | 157. | 917. | | | | |
| 228 Anacortes | 003 | I01 | 4400 | 13. | 13. | 13. | 13. | 13. | 13. | 52. | 183. | 629. | | | | |
| 228 Skagit Co | 003 | I01 | 6644 | 13. | 13. | 13. | 13. | 13. | 105. | 157. | 314. | 1258. | | | | |
| | 008 | I01 | 633 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 79. | | | | |
| | 009 | I01 | 4287 | 13. | 13. | 13. | 13. | 79. | 157. | 210. | 314. | 576. | | | | |
| | 010 | I01 | 566 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 79. | 105. | | | | |
| 229 Tacoma | 001 | F01 | 8214 | 13. | 13. | 13. | 52. | 79. | 105. | 131. | 262. | 1258. | 57. | 63.42 | 37.98 | 2.50 |
| | 006 | F01 | 7501 | 13. | 13. | 13. | 13. | 52. | 79. | 131. | 210. | 707. | 42. | 48.19 | 26.94 | 2.43 |
| **WISCONSIN** | | | | | | | | | | | | | | | | |
| 128 Eau Claire | 003 | F01 | 30 | 13. | 13. | 13. | 13. | 39. | 55. | 60. | 92. | 92. | | | | |
| | 005 | F01 | 71 | 13. | 13. | 13. | 13. | 13. | 50. | 60. | 70. | 70. | | | | |
| | 006 | F01 | 60 | 13. | 13. | 13. | 13. | 13. | 45. | 50. | 81. | 81. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COULOMETRIC, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 005 Mobile | 008 | G01 | 413 | 13. | 13. | 13. | 13. | 13. | 50. | 131. | 720. | 998. | | | | |
| **ARIZONA** | | | | | | | | | | | | | | | | |
| 012 Clifton | 002 | F02 | 1257 | 13. | 13. | 13. | 13. | 13. | 210. | 603. | 10061. | 10480. | | | | |
| 012 Cochise Co | 001 | F02 | 5460 | 13. | 13. | 13. | 13. | 13. | 131. | 314. | 1258. | 4768. | | | | |
| 015 Ajo | 001 | F02 | 514 | 13. | 13. | 13. | 13. | 13. | 210. | 419. | 943. | 1677. | | | | |
| 015 Claypool | 001 | F02 | 784 | 13. | 13. | 13. | 13. | 13. | 210. | 681. | 16433. | 16433. | | | | |
| 015 Gila Co | 001 | F02 | 2811 | 13. | 13. | 13. | 13. | 105. | 734. | 1362. | 3878. | 26829. | | | | |
| | 002 | F02 | 4110 | 13. | 13. | 13. | 13. | 13. | 13 | 105. | 472. | 4140. | | | | |
| 015 Pinal Co | 002 | F02 | 5928 | 13. | 13. | 13. | 13. | 13. | 210. | 629. | 2410. | 10637. | | | | |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 042 Hartford | 003 | F01 | 6863 | 13. | 13. | 39. | 60. | 96. | 203. | 257. | 374. | 1820. | | | | |
| 042 New Haven | 004 | F01 | 5613 | 13. | 13. | 36. | 65. | 101. | 172. | 224. | 393. | 725. | | | | |
| 043 Bridgeport | 001 | F01 | 6141 | 13. | 13. | 31. | 57. | 88. | 166. | 216. | 330. | 614. | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 008 | I02 | 2022 | 13. | 13. | 52. | 84. | 105. | 168. | 210. | 335. | 629. | | | | |
| | 009 | I02 | 1451 | 13. | 13. | 13. | 105. | 168. | 314. | 419. | 597. | 838. | | | | |
| **KANSAS** | | | | | | | | | | | | | | | | |
| 094 Kansas City | 009 | H01 | 2136 | 13. | 13. | 13. | 13. | 13. | 13. | 66. | 223. | 655. | | | | |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 078 Jefferson Co | 023 | G01 | 4106 | 13. | 13. | 13. | 39. | 52. | 92. | 118. | 210. | 367. | | | | |
| 078 Louisville | 004 | G02 | 494 | 13. | 13. | 52. | 92. | 118. | 183. | 210. | 367. | 550. | | | | |
| | 011 | G01 | 3029 | 13. | 13. | 13. | 13. | 39. | 79. | 131. | 275. | 629. | | | | |
| 078 St Matthews | 002 | G01 | 4334 | 13. | 13. | 13. | 39. | 52. | 92. | 118. | 262. | 2096. | | | | |
| | 003 | G01 | 895 | 13. | 13. | 13. | 52. | 79. | 131. | 157. | 288. | 1580. | | | | |
| 078 Shively | 002 | G01 | 6405 | 13. | 13. | 13. | 52. | 65. | 105. | 157. | 275. | 2096. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 094 Kansas City | 018 | H01 | 2096 | 13. | 13. | 13. | 13. | 13. | 39. | 65. | 118. | 317. | | | | |
| | 022 | H01 | 4692 | 13. | 13. | 13. | 13. | 13. | 39. | 65. | 144. | 2000. | | | | |
| **MONTANA** | | | | | | | | | | | | | | | | |
| 142 Deer Lodge Co | 009 | F01 | 108 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | | | | |
| | 022 | F02 | 1017 | 13. | 13. | 13. | 13. | 13. | 79. | 419. | 969. | 1179. | | | | |
| | 026 | F02 | 2208 | 13. | 13. | 13. | 13. | 13. | 157. | 472. | 3485. | 5450. | | | | |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 043 Hempstead | 005 | F01 | 6522 | 13. | 13. | 13. | 37. | 63. | 136. | 194. | 338. | 681. | | | | |
| 043 Mamaroneck | 002 | F01 | 5173 | 13. | 13. | 31. | 63. | 105. | 183. | 233. | 435. | 794. | | | | |
| 043 New York City | 050 | F01 | 6156 | 13. | 31. | 73. | 118. | 183. | 309. | 380. | 584. | 1161. | | | | |
| 160 Rochester | 004 | F01 | 6136 | 13. | 13. | 13. | 52. | 102. | 199. | 252. | 414. | 734. | | | | |
| 161 Kingston | 002 | F01 | 6316 | 13. | 13. | 50. | 73. | 105. | 168. | 202. | 288. | 440. | | | | |
| 161 Rensselaer | 001 | F01 | 7290 | 13. | 13. | 13. | 39. | 58. | 105. | 134. | 278. | 1171. | 51. | 57.22 | 35.29 | 2.33 |
| 162 Buffalo | 005 | F01 | 6911 | 13. | 13. | 42. | 65. | 113. | 238. | 317. | 466. | 760. | | | | |
| 162 Niagara Falls | 006 | F01 | 6928 | 13. | 13. | 39. | 71. | 128. | 314. | 430. | 652. | 1051. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COULOMETRIC, 2 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **OHIO** | | | | | | | | | | | | | | | | |
| 174 Canton | 001 | H02 | 2997 | 13. | 13. | 13. | 52. | 65. | 131. | 196. | 2617. | 2617. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## WILSON IMPINGR HYDROGEN PEROXIDE NAOH TITRATION, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 043 New York City | 002 | H01 | 5259 | 13. | 13. | 79. | 105. | 131. | 236. | 314. | 472. | 760. | | | | |
| | 003 | H01 | 4745 | 13. | 52. | 105. | 131. | 183. | 288. | 341. | 576. | 917. | | | | |
| | 004 | H01 | 5189 | 13. | 13. | 52. | 79. | 131. | 210. | 262. | 419. | 996. | | | | |
| | 005 | H01 | 4817 | 13. | 52. | 79. | 105. | 157. | 262. | 341. | 498. | 943. | | | | |
| | 006 | H01 | 4709 | 13. | 13. | 52. | 79. | 131. | 210. | 288. | 419. | 917. | | | | |
| | 007 | H01 | 5228 | 13. | 13. | 52. | 79. | 105. | 210. | 262. | 367. | 629. | | | | |
| | 008 | H01 | 3272 | 13. | 13. | 52. | 79. | 131. | 210. | 288. | 445. | 734. | | | | |
| | 009 | H01 | 3567 | 13. | 13. | 13. | 52. | 79. | 157. | 210. | 367. | 524. | | | | |
| | 010 | H01 | 4633 | 13. | 79. | 105. | 131. | 183. | 288. | 341. | 472. | 943. | | | | |
| | 011 | H01 | 4991 | 13. | 13. | 79. | 105. | 157. | 236. | 314. | 445. | 812. | | | | |
| | 015 | H01 | 2512 | 13. | 13. | 52. | 79. | 105. | 210. | 236. | 419. | 629. | | | | |
| | 016 | H01 | 4285 | 13. | 13. | 13. | 52. | 79. | 131. | 183. | 262. | 524. | | | | |
| | 017 | H01 | 3573 | 13. | 13. | 13. | 79. | 79. | 183. | 236. | 393. | 681. | | | | |
| | 018 | H01 | 5000 | 13. | 13. | 79. | 105. | 131. | 236. | 314. | 472. | 996. | | | | |
| | 019 | H01 | 4536 | 13. | 13. | 13. | 52. | 79. | 183. | 236. | 341. | 707. | | | | |
| | 020 | H01 | 4736 | 13. | 13. | 52. | 79. | 131. | 210. | 262. | 419. | 838. | | | | |
| | 021 | H01 | 3822 | 13. | 13. | 13. | 52. | 79. | 131. | 183. | 288. | 629. | | | | |
| | 022 | H01 | 4330 | 13. | 52. | 79. | 131. | 183. | 314. | 419. | 655. | 1258. | | | | |
| | 025 | H01 | 4733 | 13. | 13. | 52. | 79. | 131. | 210. | 262. | 419. | 603. | | | | |
| | 029 | H01 | 7475 | 13. | 13. | 13. | 52. | 79. | 131. | 157. | 262. | 472. | | | | |
| | 030 | H01 | 4998 | 13. | 13. | 13. | 52. | 79. | 183. | 236. | 419. | 734. | | | | |
| | 031 | H01 | 4059 | 13. | 13. | 52. | 79. | 79. | 157. | 210. | 288. | 550. | | | | |
| | 032 | H01 | 4085 | 13. | 13. | 79. | 79. | 131. | 183. | 236. | 341. | 629. | | | | |
| | 033 | H01 | 3906 | 13. | 13. | 13. | 52. | 79. | 157. | 210. | 314. | 681. | | | | |
| | 034 | H01 | 5232 | 13. | 13. | 52. | 79. | 105. | 183. | 210. | 314. | 707. | | | | |
| | 035 | H01 | 3797 | 13. | 13. | 13. | 52. | 79. | 183. | 236. | 419. | 865. | | | | |
| | 036 | H01 | 3719 | 13. | 13. | 52. | 79. | 105. | 183. | 236. | 367. | 1048. | | | | |
| | 037 | H01 | 3456 | 13. | 13. | 52. | 79. | 105. | 183. | 236. | 419. | 996. | | | | |
| | 038 | H01 | 7366 | 13. | 13. | 13. | 52. | 79. | 131. | 183. | 314. | 681. | | | | |
| | 039 | H01 | 5026 | 13. | 13. | 13. | 52. | 79. | 157. | 236. | 367. | 996. | | | | |
| | 040 | H01 | 4200 | 13. | 13. | 52. | 79. | 131. | 262. | 367. | 550. | 865. | | | | |
| | 041 | H01 | 4391 | 13. | 13. | 79. | 131. | 183. | 314. | 393. | 576. | 1074. | | | | |
| | 042 | H01 | 3745 | 13. | 13. | 13. | 79. | 105. | 210. | 262. | 419. | 786. | | | | |
| | 044 | H01 | 4452 | 13. | 13. | 13. | 52. | 79. | 157. | 210. | 341. | 943. | | | | |
| | 045 | H01 | 4030 | 13. | 13. | 52. | 79. | 79. | 183. | 236. | 367. | 681. | | | | |
| | 046 | H01 | 3775 | 13. | 13. | 13. | 52. | 79. | 157. | 210. | 262. | 393. | | | | |
| | 047 | H01 | 4408 | 13. | 13. | 13. | 13. | 52. | 131. | 157. | 341. | 760. | | | | |

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## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 002 Montgomery | 001 | A01 | 24 | 3. | 3. | 3. | 3. | 7. | 11. | 14. | 19. | 19. | 6. | 4.34 | 4.53 | 1.95 |
| 004 Birmingham | 003 | A01 | 24 | 3. | 3. | 5. | 5. | 8. | 11. | 15. | 16. | 16. | 7. | 3.77 | 5.74 | 1.80 |
| 005 Mobile | 001 | A01 | 15 | 3. | 3. | 3. | 3. | 7. | 7. | 12. | 12. | 12. | | | | |
| **ALASKA** | | | | | | | | | | | | | | | | |
| 009 Fairbanks | 001 | A01 | 2 | 8. | 8. | 8. | 8. | 13. | 13. | 13. | 13. | 13. | | | | |
| **ARIZONA** | | | | | | | | | | | | | | | | |
| 013 Mohave Co | 006 | F02 | 17 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 014 Grand Canyon Nat Park | 001 | A03 | 6 | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | 6. | | | | |
| 015 Phoenix | 002 | A01 | 23 | 3. | 3. | 6. | 7. | 11. | 13. | 21. | 59. | 59. | 10. | 11.48 | 7.53 | 2.08 |
| 015 Tucson | 001 | A01 | 18 | 3. | 3. | 3. | 6. | 8. | 19. | 21. | 21. | 21. | | | | |
| **ARKANSAS** | | | | | | | | | | | | | | | | |
| 016 Little Rock | 001 | A01 | 13 | 3. | 3. | 3. | 5. | 7. | 9. | 15. | 15. | 15. | | | | |
| 019 El Dorado | 001 | A01 | 3 | 3. | 3. | 3. | 5. | 60. | 60. | 60. | 60. | 60. | | | | |
| **CALIFORNIA** | | | | | | | | | | | | | | | | |
| 024 Anaheim | 001 | A01 | 23 | 3. | 3. | 6. | 10. | 14. | 29. | 29. | 44. | 44. | 12. | 10.02 | 9.34 | 2.16 |
| 024 Glendale | 001 | A01 | 19 | 3. | 3. | 7. | 12. | 16. | 28. | 50. | 50. | 50. | | | | |
| 024 Long Beach | 001 | A01 | 23 | 5. | 6. | 11. | 25. | 33. | 66. | 69. | 126. | 126. | | | | |
| 024 Los Angeles | 001 | A01 | 21 | 5. | 9. | 15. | 20. | 24. | 34. | 45. | 49. | 49. | | | | |
| 024 Pasadena | 002 | A01 | 15 | 3. | 5. | 7. | 10. | 11. | 19. | 21. | 21. | 21. | | | | |
| 024 San Bernardino | 001 | A01 | 19 | 3. | 3. | 3. | 5. | 7. | 7. | 10. | 10. | 10. | | | | |
| 024 Santa Ana | 001 | A01 | 21 | 3. | 3. | 3. | 6. | 8. | 13. | 19. | 47. | 47. | | | | |
| 024 Torrance | 001 | A01 | 20 | 3. | 3. | 3. | 5. | 9. | 18. | 18. | 25. | 25. | | | | |
| 026 Humboldt Co | 001 | A03 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 028 Sacramento | 001 | A01 | 15 | 3. | 3. | 3. | 3. | 3. | 8. | 9. | 9. | 9. | | | | |
| 029 San Diego | 001 | A01 | 23 | 3. | 3. | 3. | 7. | 9. | 16. | 27. | 33. | 33. | | | | |
| 030 Berkeley | 001 | A01 | 13 | 3. | 3. | 5. | 6. | 8. | 16. | 25. | 25. | 25. | | | | |
| 030 Oakland | 001 | A01 | 19 | 3. | 3. | 5. | 7. | 11. | 20. | 81. | 81. | 81. | | | | |
| 030 San Francisco | 001 | A01 | 22 | 3. | 3. | 6. | 7. | 10. | 11. | 11. | 31. | 31. | 8. | 5.97 | 6.45 | 1.90 |
| 030 San Jose | 002 | A01 | 26 | 3. | 3. | 3. | 3. | 7. | 11. | 11. | 16. | 16. | 6. | 3.73 | 4.53 | 1.91 |
| 031 Fresno | 002 | A01 | 17 | 3. | 3. | 3. | 5. | 5. | 9. | 11. | 11. | 11. | | | | |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Denver | 001 | A01 | 4 | 7. | 7. | 7. | 7. | 9. | 10. | 10. | 10. | 10. | | | | |
| | 002 | A01 | 21 | 3. | 3. | 3. | 3. | 7. | 9. | 10. | 13. | 13. | | | | |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 042 Hartford | 001 | A01 | 15 | 3. | 3. | 3. | 9. | 10. | 25. | 38. | 38. | 38. | | | | |
| 042 New Haven | 001 | A01 | 26 | 3. | 3. | 11. | 23. | 59. | 100. | 135. | 154. | 154. | 40. | 40.15 | 22.64 | 3.35 |
| 042 Waterbury | 001 | A01 | 24 | 7. | 7. | 24. | 35. | 44. | 95. | 136. | 158. | 158. | 44. | 37.84 | 31.48 | 2.37 |
| 043 Bridgeport | 001 | A01 | 19 | 3. | 3. | 3. | 8. | 17. | 39. | 48. | 48. | 48. | | | | |
| **DELAWARE** | | | | | | | | | | | | | | | | |
| 045 Newark | 001 | A01 | 22 | 3. | 3. | 3. | 5. | 7. | 13. | 13. | 15. | 15. | | | | |
| 045 Wilmington | 003 | A01 | 23 | 3. | 5. | 12. | 22. | 33. | 62. | 89. | 96. | 96. | 30. | 26.53 | 19.68 | 2.69 |
| 046 Kent Co | 001 | A03 | 24 | 3. | 3. | 3. | 3. | 5. | 11. | 12. | 15. | 15. | 5. | 3.71 | 4.15 | 1.87 |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 001 | A01 | 21 | 3. | 3. | 5. | 13. | 26. | 51. | 56. | 80. | 80. | | | | |
| | 003 | A01 | 21 | 3. | 7. | 15. | 20. | 27. | 46. | 74. | 87. | 87. | | | | |

84.92 1.90

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## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 049 Jacksonville | 002 | A01 | 22 | 3. | 3. | 3. | 3. | 6. | 7. | 9. | 18. | 18. | | | | |
| 050 Miami | 002 | A01 | 24 | 3. | 3. | 3. | 3. | 6. | 7. | 7. | 9. | 9. | 4. | 2.18 | 3.97 | 1.63 |
| 052 Hardee Co | 001 | A03 | 26 | 3. | 3. | 3. | 5. | 7. | 8. | 10. | 10. | 10. | 5. | 2.47 | 4.16 | 1.67 |
| 052 Manatee Co | 005 | G02 | 44 | 3. | 3. | 3. | 3. | 5. | 14. | 18. | 31. | 31. | 6. | 6.27 | 3.89 | 2.09 |
| | 008 | G02 | 46 | 3. | 3. | 3. | 3. | 6. | 16. | 29. | 34. | 34. | 6. | 7.87 | 4.10 | 2.28 |
| | 010 | G02 | 28 | 3. | 3. | 3. | 3. | 3. | 17. | 23. | 28. | 28. | | | | |
| | 012 | G02 | 10 | 3. | 3. | 3. | 3. | 10. | 25. | 43. | 43. | 43. | | | | |
| | 013 | G02 | 49 | 3. | 3. | 3. | 3. | 5. | 14. | 35. | 51. | 51. | 7. | 10.57 | 4.22 | 2.40 |
| 052 Polk Co | 002 | F02 | 29 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 5. | 5. | | | | |
| 052 St Petersburg | 002 | A01 | 25 | 3. | 3. | 5. | 8. | 14. | 36. | 47. | 111. | 111. | 16. | 23.18 | 8.80 | 2 96 |
| 052 Tampa | 002 | A01 | 25 | 3. | 3. | 5. | 11. | 21. | 52. | 60. | 70. | 70. | 20. | 20.58 | 11.35 | 3.11 |
| **GEORGIA** | | | | | | | | | | | | | | | | |
| 002 Columbus | 001 | A01 | 23 | 3. | 3. | 3. | 5. | 7. | 10. | 11. | 28. | 28. | 6. | 5.46 | 4.68 | 1.93 |
| 056 Atlanta | 001 | A01 | 24 | 3. | 7. | 11. | 16. | 24. | 45. | 49. | 71. | 71. | 22. | 16.53 | 16.17 | 2.25 |
| 058 Savannah | 001 | A01 | 26 | 3. | 3. | 3. | 7. | 7. | 16. | 16. | 25. | 25. | 7. | 5.22 | 5.99 | 1.96 |
| **HAWAII** | | | | | | | | | | | | | | | | |
| 060 Hawaii Co | 001 | A05 | 10 | 3. | 3. | 3. | 5. | 7. | 9. | 24. | 24. | 24. | | | | |
| | 002 | A05 | 10 | 3. | 3. | 3. | 5. | 7. | 8. | 8. | 8. | 8. | | | | |
| 060 Hawaii Volcanoes Nat Park | 001 | A03 | 8 | 3. | 3. | 7. | 9. | 48. | 122. | 122. | 122. | 122. | | | | |
| 060 Honolulu | 001 | A01 | 20 | 3. | 3. | 8. | 13. | 14. | 17. | 21. | 22. | 22. | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 065 Peoria | 001 | A01 | 5 | 5. | 5. | 14. | 15. | 171. | 229. | 229. | 229. | 229. | | | | |
| 067 Chicago | 001 | A01 | 18 | 3. | 5. | 10. | 60. | 98. | 190. | 192. | 192. | 192. | | | | |
| | 002 | A01 | 27 | 3. | 7. | 16. | 49. | 107. | 184. | 204. | 296. | 296. | 73. | 75.62 | 37.05 | 3.74 |
| | 003 | H01 | 95 | 2. | 10. | 18. | 31. | 47. | 89. | 115. | 207. | 207. | 42. | 38.22 | 30.05 | 2.34 |
| | 004 | H01 | 97 | 2. | 13. | 29. | 55. | 92. | 147. | 194. | 309. | 309. | 71. | 58.81 | 49.03 | 2.59 |
| | 005 | H01 | 94 | 2. | 21. | 42. | 63. | 84. | 141. | 162. | 265. | 265. | 72. | 50.16 | 54.94 | 2.25 |
| | 006 | H01 | 92 | 2. | 18. | 29. | 45. | 60. | 97. | 121. | 189. | 189. | 51. | 34.27 | 40.31 | 2.13 |
| | 007 | H01 | 93 | 2. | 13. | 18. | 29. | 52. | 92. | 113. | 152. | 152. | 42. | 33.60 | 30.44 | 2.32 |
| | 008 | H01 | 78 | 10. | 24. | 52. | 73. | 113. | 170. | 199. | 231. | 231. | 88. | 54.84 | 70.71 | 2.06 |
| | 009 | H01 | 94 | 2. | 8. | 16. | 21. | 29. | 84. | 105. | 335. | 335. | 34. | 41.94 | 22.04 | 2.54 |
| | 010 | H01 | 95 | 2. | 16. | 24. | 34. | 52. | 89. | 100. | 183. | 183. | 43. | 31.28 | 34.45 | 2.03 |
| | 011 | H01 | 94 | 5. | 16. | 26. | 37. | 52. | 100. | 115. | 139. | 139. | 47. | 30.87 | 38.41 | 1.97 |
| | 012 | H01 | 93 | 10. | 18. | 31. | 47. | 89. | 189. | 259. | 317. | 317. | 80. | 74.85 | 53.81 | 2.46 |
| | 013 | H01 | 89 | 2. | 8. | 16. | 31. | 65. | 121. | 144. | 317. | 317. | 50. | 52.68 | 28.53 | 3.15 |
| | 015 | H01 | 98 | 2. | 21. | 34. | 50. | 73. | 113. | 147. | 228. | 228. | 62. | 42.27 | 49.71 | 1.99 |
| | 016 | H01 | 96 | 2. | 16. | 24. | 31. | 42. | 71. | 92. | 244. | 244. | 39. | 32.02 | 31.19 | 2.01 |
| | 017 | H01 | 93 | 2. | 5. | 10. | 13. | 21. | 31. | 50. | 89. | 89. | 19. | 16.35 | 14.29 | 2.15 |
| | 018 | H01 | 90 | 2. | 18. | 31. | 47. | 71. | 118. | 155. | 231. | 231. | 62. | 46.87 | 46.28 | 2.27 |
| | 019 | H01 | 95 | 2. | 13. | 26. | 42. | 68. | 100. | 144. | 257. | 257. | 53. | 41.95 | 39.70 | 2.25 |
| | 020 | H01 | 91 | 2. | 18. | 29. | 42. | 60. | 94. | 107. | 189. | 189. | 50. | 33.60 | 40.09 | 2.05 |
| | 021 | H01 | 95 | 8. | 18. | 21. | 31. | 42. | 89. | 105. | 241. | 241. | 43. | 35.40 | 34.59 | 1.90 |
| | 022 | H01 | 94 | 8. | 24. | 50. | 65. | 102. | 176. | 202. | 270. | 270. | 85. | 57.35 | 66.11 | 2.15 |
| | 025 | H01 | 68 | 2. | 21. | 34. | 58. | 79. | 118. | 157. | 314. | 314. | | | | |
| | 030 | H01 | 37 | 2. | 16. | 37. | 52. | 71. | 118. | 181. | 202. | 202. | | | | |
| | 031 | H01 | 37 | 2. | 21. | 47. | 63. | 81. | 118. | 181. | 238. | 238. | | | | |
| | 032 | H01 | 37 | 8. | 16. | 26. | 37. | 47. | 92. | 176. | 199. | 199. | | | | |
| 073 Rockford | 001 | A01 | 17 | 3. | 3. | 5. | 7. | 7. | 11. | 51. | 51. | 51. | | | | |
| **INDIANA** | | | | | | | | | | | | | | | | |
| 067 Chesterton | 001 | G01 | 17 | 2. | 2. | 2. | 2. | 2. | 52. | 63. | 63. | 63. | | | | |
| 067 East Chicago | 001 | A01 | 22 | 3. | 5. | 7. | 11. | 21. | 59. | 61. | 114. | 114. | | | | |
| | 001 | H02 | 49 | 2. | 2. | 2. | 2. | 5. | 45. | 58. | 71. | 71. | 11. | 17.26 | 5.09 | 2.98 |
| | 003 | H02 | 49 | 2. | 10. | 42. | 76. | 176. | 314. | 346. | 702. | 702. | 129. | 138.40 | 70.15 | 3.52 |
| | 004 | H02 | 50 | 2. | 2. | 2. | 8. | 29. | 126. | 173. | 330. | 330. | 41. | 66.70 | 11.52 | 5.21 |
| | 006 | H02 | 49 | 2. | 2. | 16. | 31. | 68. | 173. | 215. | 231. | 231. | 56. | 63.39 | 27.20 | 4.00 |
| | 007 | H02 | 48 | 2. | 2. | 8. | 16. | 42. | 73. | 86. | 272. | 272. | 32. | 43.66 | 15.97 | 3.51 |
| 067 Gary | 001 | A01 | 15 | 3. | 3. | 5. | 9. | 11. | 21. | 34. | 34. | 34. | | | | |
| | 002 | H01 | 40 | 2. | 2. | 2. | 2. | 18. | 58. | 115. | 134. | 134. | 21. | 33.91 | 7.74 | 3.88 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **INDIANA — Cont.** | | | | | | | | | | | | | | | | |
| | 003 | H01 | 41 | 2. | 2. | 2. | 21. | 39. | 123. | 149. | 181. | 181. | | | | |
| | 004 | H01 | 51 | 2. | 2. | 5. | 26. | 65. | 105. | 118. | 220. | 220. | 43. | 45.99 | 19.61 | 4.32 |
| | 005 | H01 | 33 | 2. | 2. | 2. | 8. | 24. | 47. | 89. | 97. | 97. | | | | |
| | 008 | H01 | 46 | 2. | 2. | 2. | 2. | 13. | 29. | 52. | 110. | 110. | 13. | 19.40 | 6.68 | 3.08 |
| | 009 | H01 | 25 | 2. | 2. | 2. | 13. | 26. | 68. | 84. | 102. | 102. | | | | |
| | 010 | H01 | 49 | 2. | 2. | 2. | 2. | 21. | 102. | 139. | 233. | 232. | 27 | 50.23 | 8.29 | 4.34 |
| 067 Hammond | 001 | A01 | 24 | 3. | 6. | 12. | 17. | 32. | 98. | 102. | 109. | 109. | 32. | 32.08 | 20.17 | 2.75 |
| | 001 | F01 | 18 | 2. | 2. | 16. | 29. | 71. | 134. | 157. | 157. | 157. | | | | |
| | 002 | H01 | 49 | 2. | 2. | 10. | 31. | 63. | 128. | 165. | 244. | 244. | 50. | 54.39 | 23.76 | 4.06 |
| | 004 | H01 | 45 | 2. | 2. | 10. | 31. | 47 | 89. | 228. | 356. | 356. | 46. | 69.56 | 21.38 | 3.99 |
| 067 Porter Co | 009 | G01 | 17 | 2. | 2. | 2. | 2. | 10. | 63. | 131. | 131. | 131. | | | | |
| 067 Valparaiso | 002 | G01 | 17 | 2. | 2. | 2. | 2. | 2. | 26. | 76. | 76. | 76. | | | | |
| 077 Evansville | 001 | A01 | 24 | 3. | 5. | 10. | 14. | 22. | 35. | 41. | 63. | 63. | 19. | 14.20 | 14.02 | 2.26 |
| 078 New Albany | 002 | A01 | 22 | 3. | 3. | 3. | 3. | 7. | 7. | 10 | 11. | 11. | 5. | 2.75 | 3.86 | 1.74 |
| 080 Indianapolis | 001 | A01 | 22 | 3. | 3. | 5. | 8. | 14. | 20. | 35. | 37. | 37. | 11. | 9.43 | 8.41 | 2.22 |
| | 002 | H01 | 42 | 3. | 11. | 23. | 39. | 65. | 112. | 138 | 221. | 221. | | | | |
| | 003 | H01 | 34 | 3. | 10. | 18. | 35. | 49. | 134. | 146. | 262. | 262. | | | | |
| | 006 | H01 | 32 | 3. | 8. | 18. | 27. | 37. | 74. | 128. | 172. | 172. | | | | |
| | 008 | H01 | 32 | 3. | 3. | 15. | 20. | 32. | 42. | 46. | 107. | 107. | | | | |
| | 009 | H01 | 34 | 3. | 11. | 17. | 24. | 36. | 72. | 93. | 154. | 154. | | | | |
| | 013 | H01 | 37 | 3. | 3. | 8. | 17. | 22. | 42. | 56. | 65. | 65. | 19. | 15.15 | 12.77 | 2.67 |
| | 015 | H01 | 27 | 3. | 3. | 13. | 16. | 33. | 45 | 101. | 125. | 125. | | | | |
| | 021 | F01 | 43 | 2. | 26. | 50. | 86. | 126. | 170. | 173. | 424. | 424. | 94. | 73.65 | 68.40 | 2.51 |
| | 025 | F01 | 42 | 3. | 12. | 20. | 35. | 59. | 81. | 124. | 283. | 283. | | | | |
| | 026 | H01 | 25 | 3. | 3. | 7. | 11. | 17. | 28. | 33. | 48. | 48. | | | | |
| 081 Fort Wayne | 001 | A01 | 6 | 7. | 7. | 10. | 17. | 31. | 38. | 38. | 38. | 38. | | | | |
| 082 South Bend | 002 | A01 | 1 | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | | | | |
| 083 Monroe Co | 001 | A03 | 19 | 3. | 3. | 5. | 7. | 10. | 18. | 28. | 28. | 28. | | | | |
| **IOWA** | | | | | | | | | | | | | | | | |
| 068 Dubuque | 003 | A01 | 3 | 9. | 9. | 9. | 10. | 16. | 16. | 16. | 16. | 16. | | | | |
| 092 Des Moines | 001 | A01 | 24 | 3. | 3. | 3. | 5. | 7. | 11. | 12. | 16. | 16. | 6. | 3.86 | 4.70 | 1.91 |
| **KANSAS** | | | | | | | | | | | | | | | | |
| 094 Kansas City | 002 | A01 | 23 | 3. | 3. | 3. | 7. | 12. | 14. | 15. | 37. | 37. | 8. | 7.86 | 5.94 | 2.35 |
| | 002 | H01 | 47 | 3. | 3. | 3. | 5. | 7. | 53. | 68. | 512. | 512. | 21. | 75.67 | 5.75 | 3.29 |
| | 004 | H01 | 43 | 3. | 3. | 3. | 5. | 7. | 14. | 25. | 46. | 46. | 8. | 9.59 | 5.15 | 2.26 |
| | 009 | H01 | 45 | 3. | 3. | 5. | 7. | 13. | 48. | 66. | 120. | 120. | 18. | 25.36 | 8.80 | 3.09 |
| 094 Leavenworth | 001 | F01 | 28 | 3. | 3. | 3. | 3. | 3. | 6. | 12. | 17. | 17. | | | | |
| 094 Overland Park | 001 | F01 | 25 | 3. | 3. | 3. | 3. | 3. | 19. | 33. | 41. | 41. | | | | |
| 095 Lawrence | 001 | F01 | 32 | 3. | 3. | 7. | 10. | 23. | 37. | 43. | 69. | 69. | | | | |
| | 002 | F01 | 32 | 3. | 3. | 7. | 9. | 26. | 41. | 51. | 73. | 73. | | | | |
| 095 Topeka | 001 | A01 | 11 | 3. | 3. | 3. | 6. | 7. | 10. | 74. | 74. | 74. | | | | |
| 099 Wichita | 001 | A01 | 25 | 3. | 3. | 3. | 5. | 7. | 9. | 11. | 24. | 24. | 6. | 4.62 | 4.56 | 1.88 |
| | 004 | F01 | 14 | 3. | 3. | 6. | 10. | 16. | 20. | 27. | 27. | 27. | | | | |
| | 005 | F01 | 11 | 3. | 3. | 3. | 12. | 16. | 22. | 27. | 27 | 27. | | | | |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Hopkinsville | 002 | F01 | 22 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 072 Mc Cracken Co | 001 | F02 | 58 | 3. | 3. | 3. | 14. | 25. | 68. | 81. | 399. | 399. | 27. | 55.19 | 10.16 | 4.02 |
| 072 Marshall Co | 002 | F01 | 5 | 3. | 3. | 3. | 6. | 27. | 57. | 57. | 57. | 57. | | | | |
| | 008 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | | | | |
| | 009 | F01 | 57 | 3. | 3. | 3. | 9. | 22. | 37. | 51. | 94. | 94. | 17. | 18.47 | 9.00 | 3.19 |
| 072 Paducah | 001 | F01 | 44 | 3. | 3. | 3. | 3. | 11. | 34. | 76. | 127. | 127. | | | | |
| | 019 | F01 | 10 | 3. | 3. | 13. | 16. | 28. | 39. | 96. | 96. | 96. | | | | |
| 077 Henderson | 002 | F01 | 9 | 8. | 8. | 20. | 69. | 111. | 151. | 151. | 151. | 151. | | | | |
| | 003 | F01 | 6 | 3. | 3. | 3. | 3. | 21. | 115. | 115. | 115. | 115. | | | | |
| | 004 | F01 | 13 | 3. | 3. | 9. | 15. | 26. | 41. | 125. | 125. | 125. | | | | |
| | 005 | F01 | 7 | 6. | 6. | 15. | 17. | 23. | 113 | 113. | 113. | 113. | | | | |
| | 006 | F01 | 10 | 3. | 3. | 10. | 23. | 43 | 95. | 98. | 98. | 98. | | | | |
| 077 Owensboro | 001 | F01 | 14 | 3. | 8. | 17. | 19. | 41. | 72. | 168. | 168. | 168. | | | | |
| | 002 | F01 | 12 | 3. | 3. | 6. | 19. | 28. | 33. | 209. | 209. | 209. | | | | |
| | 003 | F01 | 14 | 3. | 3. | 7. | 11. | 19. | 35. | 57. | 57. | 57. | | | | |
| | 005 | F01 | 56 | 3. | 3. | 9. | 15. | 30. | 48. | 67. | 100. | 100. | 23. | 21.94 | 13.22 | 3.20 |
| | 006 | F01 | 55 | 3. | 3. | 3. | 15. | 19. | 62. | 83. | 123. | 123. | 21. | 25.72 | 10.94 | 3.42 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY — Cont.** | | | | | | | | | | | | | | | | |
| 078 Louisville | 002 | A01 | 24 | 3. | 5. | 9. | 14. | 28. | 45. | 46. | 55. | 55. | | | | |
| 079 Boone Co | 002 | F01 | 20 | 3. | 3. | 6. | 16. | 28. | 41. | 52. | 130. | 130. | | | | |
| 079 Carroll Co | 001 | F03 | 5 | 3. | 3. | 7. | 11. | 12. | 80. | 80. | 80. | 80. | | | | |
| 079 Carrollton | 001 | F01 | 3 | 8. | 8. | 8. | 9. | 76. | 76. | 76. | 76. | 76. | | | | |
| 079 Covington | 001 | A01 | 25 | 3. | 3. | 7. | 13. | 21. | 55. | 59. | 67. | 67. | 19. | 17.85 | 12.52 | 2.57 |
| 079 Florence | 001 | F01 | 14 | 3. | 3. | 7. | 13. | 20. | 24. | 95. | 95. | 95. | | | | |
| 079 Newport | 001 | F01 | 61 | 3. | 3. | 7. | 18. | 28. | 55. | 60. | 68. | 68. | 21. | 19.00 | 12.65 | 3.19 |
| 102 Danville | 001 | F01 | 2 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 002 | F01 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 102 Frankfort | 002 | F01 | 12 | 3. | 11. | 16. | 22. | 35. | 41. | 50. | 50. | 50. | | | | |
| 102 Franklin Co | 001 | F03 | 13 | 3. | 3. | 3. | 9. | 18. | 38. | 42. | 42. | 42. | | | | |
| 102 Lexington | 001 | A01 | 19 | 3. | 3. | 3. | 5. | 7. | 9. | 9. | 9. | 9. | | | | |
| 103 Ashland | 003 | F01 | 47 | 3. | 3. | 3. | 3. | 3. | 18. | 22. | 41. | 41. | 7. | 8.96 | 3.96 | 2.41 |
| | 005 | F01 | 3 | 3. | 3. | 3. | 15. | 44. | 44. | 44. | 44. | 44. | | | | |
| | 006 | F01 | 3 | 3. | 3. | 3. | 9. | 26. | 26. | 26. | 26. | 26. | | | | |
| 103 Catlettsburg | 001 | F01 | 3 | 3. | 3. | 3. | 9. | 13. | 13. | 13. | 13. | 13. | | | | |
| 103 Maysville | 002 | F02 | 2 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 003 | F02 | 13 | 3. | 3. | 3. | 3. | 7. | 21. | 23. | 23. | 23. | | | | |
| 103 Morehead | 001 | F01 | 28 | 3. | 3. | 3. | 3. | 3. | 22. | 43. | 71. | 71. | 9. | 14.96 | 4.34 | 2.67 |
| 105 Bowling Green | 001 | A01 | 20 | 3. | 3. | 5. | 7. | 8. | 11. | 11. | 18. | 18. | | | | |
| **LOUISIANA** | | | | | | | | | | | | | | | | |
| 022 Shreveport | 001 | A01 | 24 | 3. | 3. | 3. | 3. | 7. | 9. | 9. | 17. | 17. | 5. | 3.53 | 4.12 | 1.82 |
| 106 Baton Rouge | 001 | A01 | 24 | 3. | 3. | 5. | 7. | 9. | 21. | 26. | 47. | 47. | 10. | 10.08 | 6.71 | 2.30 |
| 106 Iberville Par | 001 | A03 | 23 | 3. | 3. | 3. | 3. | 7. | 7. | 8. | 9. | 9. | | | | |
| 106 New Orleans | 002 | A01 | 23 | 3. | 3. | 3. | 5. | 7. | 11. | 11. | 13. | 13. | 6. | 3.19 | 5.25 | 1.76 |
| **MAINE** | | | | | | | | | | | | | | | | |
| 109 Acadia Nat Park | 001 | A03 | 25 | 3. | 3. | 3. | 7. | 7. | 11. | 22. | 29. | 29. | 7. | 6.31 | 5.64 | 2.07 |
| 110 Biddeford | 001 | F01 | 91 | 3. | 3. | 9. | 14. | 24. | 40. | 55. | 72. | 72. | 20. | 16.14 | 13.73 | 2.51 |
| 110 Eliot | 001 | F01 | 45 | 3. | 3. | 11. | 19. | 26. | 40. | 47. | 53. | 53. | | | | |
| 110 Portland | 004 | F01 | 179 | 3. | 12. | 23. | 38. | 59. | 99. | 138. | 208. | 233. | 50. | 42.25 | 35.25 | 2.49 |
| | 005 | F01 | 152 | 3. | 3. | 6. | 8. | 11. | 18. | 22. | 46. | 59. | | | | |
| 110 Sanford | 001 | F01 | 63 | 3. | 3. | 3. | 6. | 12. | 16. | 24. | 30. | 30. | | | | |
| 110 South Portland | 001 | F01 | 184 | 3. | 3. | 3. | 6. | 9. | 25. | 32. | 51. | 86. | 10. | 11.72 | 6.36 | 2.49 |
| | 002 | F01 | 182 | 3. | 3. | 10. | 16. | 26. | 60. | 68. | 91. | 96. | 23. | 20.75 | 15.04 | 2.66 |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Cheverly | 001 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 8. | 32. | 32. | 32. | | | | |
| 047 Prince Georges Co | 001 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | | | | |
| | 012 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 018 | G01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 019 | G01 | 12 | 3. | 3. | 3. | 3. | 3. | 7. | 9. | 9. | 9. | | | | |
| | 020 | G01 | 16 | 3. | 3. | 3. | 5. | 10. | 18. | 30. | 30. | 30. | | | | |
| | 021 | G01 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 115 Baltimore | 001 | A01 | 24 | 3. | 3. | 8. | 14. | 27. | 101. | 103. | 112. | 112. | 29. | 34.28 | 15.24 | 3.36 |
| 116 Calvert Co | 001 | A03 | 14 | 3. | 3. | 8. | 9. | 14. | 28. | 28. | 28. | 28. | | | | |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 042 Belchertown | 001 | F01 | 48 | 2. | 2. | 5. | 8. | 10. | 13. | 16. | 21. | 21. | | | | |
| 042 Chicopee | 001 | F01 | 173 | 2. | 2. | 8. | 16. | 26. | 47. | 60. | 110. | 176. | | | | |
| | 003 | F01 | 16 | 5. | 8. | 13. | 21. | 52. | 126. | 351. | 351. | 351. | | | | |
| 042 Greenfield | 001 | F01 | 21 | 5. | 5. | 8. | 18. | 24. | 31. | 45. | 52. | 52. | | | | |
| 042 Holyoke | 004 | F01 | 216 | 2. | 2. | 5. | 10. | 21. | 55. | 94. | 131. | 223. | 23. | 30.73 | 12.49 | 2.96 |
| 042 Springfield | 003 | A01 | 16 | 3. | 7. | 14. | 19. | 55. | 84. | 160. | 160. | 160. | | | | |
| | 003 | F01 | 232 | 2. | 5. | 8. | 13. | 24. | 52. | 76. | 141. | 440. | 24. | 37.17 | 14.24 | 2.74 |
| | 005 | F01 | 61 | 5. | 13. | 18. | 29. | 42. | 63. | 79. | 296. | 296. | | | | |
| 117 Adams | 001 | F01 | 16 | 2. | 2. | 5. | 8. | 13. | 24. | 47. | 47. | 47. | | | | |
| 117 Lee | 001 | F01 | 16 | 2. | 2. | 2. | 2. | 8. | 8. | 8. | 8. | 8. | | | | |
| 117 North Adams | 001 | F01 | 94 | 2. | 2. | 5. | 8. | 16. | 47. | 86. | 126. | 126. | 18. | 24.95 | 8.86 | 3.07 |
| 117 Pittsfield | 001 | F01 | 109 | 2. | 2. | 5. | 13. | 24. | 55. | 92. | 424. | 445. | 29. | 63.63 | 12.46 | 3.26 |
| | 002 | F01 | 17 | 2. | 5. | 21. | 26. | 31. | 63. | 73. | 73. | 73. | | | | |
| | 003 | F01 | 16 | 2. | 2. | 5. | 8. | 13. | 39. | 42. | 42. | 42. | | | | |
| 118 Worchester | 001 | A01 | 21 | 3. | 5. | 13. | 29. | 52. | 118. | 136. | 181. | 181. | 45. | 48.43 | 24.12 | 3.45 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MASSACHUSETTS — Cont.** | | | | | | | | | | | | | | | | |
| | 004 | F01 | 19 | 16. | 37. | 58. | 89. | 118. | 149. | 155. | 155. | 155. | | | | |
| | 008 | F01 | 34 | 2. | 16. | 24. | 26. | 34. | 63. | 71. | 115. | 115. | | | | |
| 119 Boston | 001 | A01 | 10 | 3. | 3. | 5. | 20. | 22. | 24. | 47. | 47. | 47. | | | | |
| | 001 | F01 | 101 | 2. | 24. | 26. | 34. | 58. | 128. | 176. | 335. | 458. | 60. | 67.69 | 39.51 | 2.59 |
| | 002 | F01 | 106 | 5. | 21. | 47. | 84. | 160. | 272. | 396. | 477. | 537. | | | | |
| | 012 | F01 | 98 | 2. | 16. | 29. | 45. | 65. | 118. | 144. | 335. | 335. | 58. | 49.73 | 43.13 | 2.32 |
| | 013 | F01 | 90 | 2. | 24. | 34. | 50. | 84. | 121. | 160. | 309. | 309. | 69. | 54.48 | 51.36 | 2.30 |
| 119 Brookline | 001 | F01 | 41 | 2. | 5. | 18. | 26. | 31. | 45. | 68. | 330. | 330. | 35. | 53.07 | 22.03 | 2.51 |
| 119 Cambridge | 001 | A01 | 15 | 3. | 5. | 10. | 18. | 27. | 58. | 70. | 70. | 70. | | | | |
| | 001 | F01 | 30 | 2. | 2. | 13. | 26. | 37. | 73. | 105. | 107. | 107. | 34. | 28.87 | 21.70 | 3.07 |
| | 004 | F01 | 32 | 5. | 8. | 13. | 13. | 42. | 52. | 58. | 63. | 63. | | | | |
| 119 Framingham | 001 | F01 | 29 | 2. | 2. | 2. | 5. | 8. | 26. | 26. | 29. | 29. | | | | |
| 119 Lynn | 001 | F01 | 36 | 2. | 2. | 10. | 24. | 26. | 50. | 73. | 79. | 79. | | | | |
| 119 Marblehead | 001 | F01 | 36 | 2. | 5. | 13. | 21. | 26. | 34. | 55. | 71. | 71. | | | | |
| 119 Maynard | 001 | F01 | 34 | 2. | 2. | 2. | 2. | 16. | 26. | 26. | 29. | 29. | | | | |
| 119 Medford | 002 | F01 | 35 | 2. | 8. | 24. | 26. | 47. | 73. | 113. | 118. | 118. | | | | |
| | 003 | F01 | 10 | 13. | 13. | 21. | 24. | 37. | 47. | 55. | 55. | 55. | | | | |
| 119 Needham | 002 | F01 | 40 | 2. | 2. | 5. | 13. | 26. | 37. | 39. | 76. | 76. | | | | |
| 119 Norwood | 001 | F01 | 46 | 2. | 5. | 16. | 26. | 34. | 47. | 52. | 105. | 105. | 27. | 18.09 | 20.93 | 2.21 |
| 119 Quincy | 001 | F01 | 52 | 2. | 10. | 16. | 26. | 34. | 73. | 105. | 118. | 118. | 34. | 27.49 | 25.42 | 2.28 |
| 119 Revere | 002 | F01 | 31 | 2. | 2. | 13. | 26. | 50. | 107. | 123. | 123. | 123. | | | | |
| 119 Waltham | 003 | F01 | 39 | 2. | 2. | 5. | 13. | 26. | 45. | 52. | 65. | 65. | | | | |
| 119 Woburn | 002 | F01 | 40 | 2. | 2. | 8. | 10. | 26. | 26. | 29. | 196. | 196. | 20. | 30.44 | 11.52 | 2.82 |
| 120 Attleboro | 002 | F01 | 27 | 2. | 5. | 13. | 26. | 34. | 47. | 50. | 115. | 115. | | | | |
| 120 Fall River | 002 | A01 | 20 | 3. | 3. | 8. | 16. | 27. | 51. | 54. | 138. | 138. | 26. | 31.07 | 15.21 | 3.07 |
| | 003 | F01 | 25 | 2. | 2. | 2. | 8. | 10. | 18. | 34. | 81. | 81. | | | | |
| 120 Falmouth | 001 | F01 | 29 | 2. | 2. | 5. | 5. | 13. | 26. | 39. | 47. | 47. | | | | |
| 120 New Bedford | 001 | A01 | 2 | 7. | 7. | 7. | 7. | 29. | 29. | 29. | 29. | 29. | | | | |
| | 002 | F01 | 30 | 2. | 2. | 8. | 13. | 21. | 26. | 45. | 45. | 45. | | | | |
| 120 Plymouth | 001 | F01 | 27 | 2. | 2. | 5. | 10. | 21. | 29. | 55. | 60. | 60. | | | | |
| 121 Billerica | 001 | F01 | 21 | 2. | 2. | 2. | 2. | 2. | 26. | 26. | 26. | 26. | | | | |
| 121 Haverhill | 001 | F01 | 21 | 2. | 2. | 2. | 2. | 2. | 26. | 26. | 52. | 52. | | | | |
| 121 Lawrence | 002 | F01 | 15 | 2. | 2. | 2. | 2. | 5. | 26. | 39. | 39. | 39. | | | | |
| 121 Lowell | 001 | F01 | 23 | 2. | 2. | 2. | 13. | 21. | 26. | 39. | 52. | 52. | | | | |
| 121 Newburyport | 001 | F01 | 24 | 2. | 2. | 2. | 5. | 10. | 26. | 26. | 131. | 131. | | | | |
| **MICHIGAN** | | | | | | | | | | | | | | | | |
| 122 Bay City | 001 | F01 | 8 | 3. | 3. | 3. | 3. | 9. | 18. | 18. | 18. | 18. | | | | |
| 122 Flint | 001 | A01 | 21 | 3. | 3. | 7. | 9. | 13. | 27. | 34. | 39. | 39. | | | | |
| 122 Grand Rapids | 001 | A01 | 20 | 3. | 3. | 8. | 10. | 16. | 22. | 24. | 29. | 29. | | | | |
| | 002 | F01 | 82 | 3. | 3. | 5. | 10. | 21. | 36. | 47. | 58. | 58. | 16. | 15.07 | 9.86 | 2.86 |
| 122 Saginaw | 001 | A01 | 26 | 3. | 3. | 6. | 7. | 11. | 29. | 40. | 45. | 45. | 12. | 11.69 | 7.89 | 2.48 |
| 123 Dearborn | 001 | A01 | 19 | 3. | 3. | 5. | 7. | 11. | 36. | 47. | 47. | 47. | | | | |
| 123 Detroit | 001 | A01 | 23 | 3. | 3. | 5. | 9. | 18. | 25. | 30. | 32. | 32. | 12. | 9.02 | 8.66 | 2.27 |
| 125 Lansing | 001 | A01 | 22 | 3. | 3. | 7. | 8. | 13. | 17. | 23. | 41. | 41. | | | | |
| 126 Marquette | 005 | F01 | 8 | 3. | 3 | 11. | 11. | 21. | 112. | 112. | 112. | 112. | | | | |
| **MINNESOTA** | | | | | | | | | | | | | | | | |
| 129 Duluth | 001 | A01 | 23 | 3. | 3. | 3. | 3. | 7. | 8 | 10. | 42. | 42. | | | | |
| 131 Minneapolis | 001 | A01 | 20 | 3. | 3. | 3. | 7. | 13. | 86. | 96. | 135. | 135. | | | | |
| 131 St Paul | 001 | A01 | 25 | 3. | 3. | 7. | 9. | 22. | 82. | 84. | 86. | 86. | 23. | 28.09 | 11.74 | 3.15 |
| **MISSISSIPPI** | | | | | | | | | | | | | | | | |
| 005 Jackson | 002 | A01 | 18 | 3. | 3. | 3. | 3. | 7. | 9. | 25. | 25. | 25. | | | | |
| 005 Jackson Co | 001 | A03 | 19 | 3. | 3. | 3. | 7. | 7. | 9. | 14. | 14. | 14. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 St Louis | 001 | A01 | 21 | 3. | 3. | 5. | 9. | 13. | 15. | 17. | 41. | 41. | 10. | 9.68 | 7.04 | 2.25 |
| | 002 | A01 | 26 | 3. | 5. | 10. | 22. | 37. | 55. | 68 | 81. | 81. | 28. | 21.82 | 19.24 | 2.57 |
| 094 Kansas City | 002 | A01 | 12 | 3. | 3. | 3. | 3. | 8. | 10. | 167. | 167. | 167. | | | | |
| | 002 | H01 | 59 | 3. | 3. | 3. | 3. | 3. | 10. | 11. | 54. | 54. | 5. | 7.56 | 3.49 | 1.93 |
| | 003 | H01 | 59 | 3. | 3. | 3. | 3. | 5. | 11. | 26. | 178. | 178. | 8. | 23.31 | 3.87 | 2.29 |
| | 018 | H01 | 59 | 3. | 3. | 3. | 3. | 5. | 14. | 22. | 83. | 83. | 7. | 12.14 | 4.08 | 2.26 |
| | 022 | H01 | 15 | 3. | 3. | 3 | 3. | 3 | 5. | 7. | 7. | 7 | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MISSOURI — Cont.** | | | | | | | | | | | | | | | | |
| 139 Shannon Co | 002 | A03 | 22 | 3. | 3. | 3. | 5. | 7. | 9. | 10. | 44. | 44. | 7. | 8.56 | 5.34 | 1.98 |
| **MONTANA** | | | | | | | | | | | | | | | | |
| 141 Glacier Nat Park | 001 | A03 | 18 | 3. | 3. | 3. | 3. | 8. | 10. | 59. | 59. | 59. | | | | |
| **NEBRASKA** | | | | | | | | | | | | | | | | |
| 085 Omaha | 001 | A01 | 25 | 3. | 3. | 7. | 9. | 12. | 33. | 44. | 78. | 78. | 13. | 16.49 | 8.49 | 2.51 |
| 145 Lincoln | 002 | A01 | 21 | 3. | 3. | 5. | 11. | 19. | 38. | 49. | 50. | 50. | | | | |
| 146 Thomas Co | 001 | A03 | 9 | 3. | 3. | 3. | 3. | 3. | 23. | 23. | 23. | 23. | | | | |
| **NEW HAMPSHIRE** | | | | | | | | | | | | | | | | |
| 107 Coos Co | 001 | A03 | 24 | 3. | 3. | 5. | 5. | 7. | 13. | 17. | 23. | 23. | 7. | 5.21 | 5.79 | 1.97 |
| 121 Manchester | 004 | F01 | 38 | 3. | 14. | 28. | 33. | 48. | 88. | 202. | 372. | 372. | 54. | 65.87 | 36.10 | 2.44 |
| 121 Portsmouth | 005 | F01 | 37 | 5. | 16. | 24. | 43. | 66. | 118. | 160. | 193. | 193. | 55. | 44.76 | 40.61 | 2.27 |
| **NEW JERSEY** | | | | | | | | | | | | | | | | |
| 043 Elizabeth | 002 | A01 | 21 | 3. | 3. | 3. | 5. | 5. | 9. | 11. | 41. | 41. | | | | |
| 043 Jersey City | 001 | A01 | 21 | 3. | 8. | 29. | 44. | 69. | 98. | 99. | 144. | 144. | | | | |
| 043 Newark | 001 | A01 | 17 | 3. | 3. | 7. | 8. | 14. | 20. | 31. | 31. | 31. | | | | |
| 043 Paterson | 001 | A01 | 12 | 3. | 3. | 3. | 3. | 8. | 11. | 15. | 15. | 15. | | | | |
| 045 Camden | 001 | A01 | 19 | 3. | 3. | 9. | 12. | 16. | 32. | 60. | 60. | 60. | | | | |
| 045 Camden Co | 002 | A01 | 26 | 3. | 3. | 3. | 7. | 12. | 18. | 19. | 47. | 47. | 10. | 9.34 | 6.85 | 2.31 |
| 045 Glassboro | 001 | A01 | 19 | 3. | 3. | 3. | 3. | 5. | 39. | 49. | 49. | 49. | | | | |
| 045 Trenton | 001 | A01 | 23 | 3. | 3. | 3. | 5. | 10. | 12 | 13. | 20. | 20. | 7. | 4.69 | 5.37 | 2.02 |
| **NEW MEXICO** | | | | | | | | | | | | | | | | |
| 152 Albuquerque | 001 | A01 | 20 | 3. | 3. | 3. | 3. | 7. | 7. | 10. | 12. | 12. | | | | |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 043 Mamaroneck | 001 | F01 | 51 | 2. | 5. | 24. | 31. | 55. | 76. | 105. | 149. | 149. | 40. | 30.84 | 27.99 | 2.74 |
| 043 New York City | 001 | A01 | 21 | 3. | 10. | 28. | 45. | 103. | 158. | 184. | 210. | 210. | | | | |
| 043 Port Chester | 001 | F01 | 54 | 2. | 10. | 26. | 34. | 47. | 81. | 94. | 144. | 144. | 41. | 29.12 | 29.24 | 2.67 |
| 043 Westchester Co | 003 | F01 | 54 | 2. | 5. | 10. | 13. | 24. | 31. | 39. | 84. | 84. | 19. | 13.90 | 14.53 | 2.07 |
| | 005 | F01 | 52 | 2. | 5. | 8. | 13. | 21. | 58. | 92. | 110. | 110. | 22. | 25.27 | 13.14 | 2.72 |
| | 006 | F01 | 57 | 2. | 5. | 16. | 21. | 29. | 58. | 71. | 110. | 110. | 26. | 20.42 | 19.36 | 2.37 |
| 043 White Plains | 001 | F01 | 57 | 2. | 2. | 21. | 37. | 45. | 84. | 131. | 165. | 165. | 42. | 35.59 | 27.24 | 2.94 |
| 043 Yonkers | 001 | A01 | 10 | 7. | 7. | 25. | 26. | 32. | 71. | 74. | 74. | 74. | | | | |
| 158 Jefferson Co | 001 | A03 | 24 | 3. | 3. | 3. | 3. | 5. | 8. | 9. | 14. | 14. | 5. | 2.92 | 3.94 | 1.73 |
| 158 Syracuse | 002 | A01 | 21 | 3. | 3. | 3. | 3. | 7. | 9. | 19. | 20. | 20. | 6. | 5.09 | 4.48 | 2.01 |
| 158 Utica | 001 | A01 | 20 | 3. | 3. | 3. | 5. | 11. | 28. | 28. | 31. | 31. | 10. | 9.59 | 6.66 | 2.53 |
| 160 Brighton | 001 | F01 | 2 | 2. | 2. | 2. | 2. | 8. | 8. | 8. | 8. | 8. | | | | |
| 160 Greece | 001 | F01 | 3 | 24. | 24. | 24. | 29. | 37. | 37. | 37. | 37. | 37. | | | | |
| 160 Irondequoit | 001 | F01 | 12 | 2. | 18. | 34. | 50. | 71. | 92. | 115. | 115. | 115. | | | | |
| 160 Monroe Co | 001 | F01 | 57 | 2. | 8. | 26. | 39. | 47. | 76. | 89 | 144. | 144. | 40. | 26.91 | 30.05 | 2.39 |
| 160 Rochester | 001 | A01 | 24 | 3. | 5. | 7. | 11. | 20. | 60. | 74. | 89. | 89. | 22. | 23.76 | 13.42 | 2.68 |
| | 001 | F01 | 59 | 2. | 13. | 42. | 60. | 81. | 126. | 134. | 262. | 262. | 65. | 43.69 | 49.23 | 2.46 |
| | 002 | F01 | 60 | 2. | 8. | 29. | 45. | 58. | 81. | 86. | 134. | 134. | 46. | 27.36 | 34.36 | 2.55 |
| | 003 | F01 | 59 | 2. | 18. | 34. | 50. | 60. | 86. | 107. | 121. | 121. | 50. | 27.15 | 41.36 | 2.07 |
| | 005 | F01 | 59 | 2. | 8. | 18. | 29. | 39. | 68. | 71. | 79. | 79. | 33. | 20.48 | 25.29 | 2.29 |
| 161 Albany | 001 | A01 | 23 | 3. | 5. | 17. | 24. | 65. | 127. | 131. | 141. | 141. | 47. | 43.34 | 27.48 | 3.30 |
| | 001 | F01 | 49 | 2. | 8. | 31. | 55. | 71. | 128. | 170. | 280. | 280. | 65. | 54.98 | 43.91 | 2.83 |
| | 002 | F01 | 36 | 8. | 13. | 45. | 55. | 110. | 149. | 152 | 168. | 168. | | | | |
| 162 Buffalo | 001 | A01 | 22 | 3. | 3. | 3. | 5. | 10. | 14. | 17. | 18. | 18. | 7 | 5.07 | 5.77 | 2.08 |
| | 003 | F01 | 14 | 26. | 26. | 26. | 26. | 52. | 79. | 105. | 105. | 105. | | | | |
| | 008 | F01 | 18 | 26. | 26. | 26. | 26. | 26. | 52. | 79. | 79. | 79. | | | | |
| 162 Cheektowaga | 001 | F01 | 16 | 2. | 26. | 26. | 26. | 26. | 26. | 52. | 52. | 52. | | | | |
| 162 Lewiston | 002 | F01 | 58 | 2. | 10. | 29. | 52. | 79. | 183. | 236. | 393. | 393. | 75. | 73.45 | 46.62 | 3.01 |
| 162 Lockport | 010 | F01 | 44 | 2. | 2. | 13. | 34. | 50. | 79 | 79 | 94. | 94. | | | | |
| 162 Niagara Falls | 001 | A01 | 23 | 3. | 5. | 7. | 11. | 21. | 42. | 43. | 156. | 156. | | | | |
| | 001 | F01 | 221 | 2. | 5. | 26. | 45. | 65. | 110. | 157. | 199. | 375. | 56. | 51.38 | 34.44 | 3.13 |
| | 006 | F01 | 54 | 2. | 12. | 50. | 97. | 131. | 236. | 314. | 343 | 343 | 109 | 86.20 | 70.13 | 3.09 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NEW YORK—Cont.** | | | | | | | | | | | | | | | | |
| 162 North Tonawanda | 005 | F01 | 38 | 2. | 2. | 21. | 42. | 89. | 181. | 186. | 204. | 204. | | | | |
| 162 Tonawanda | 003 | F01 | 17 | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | | | | |
| **NORTH CAROLINA** | | | | | | | | | | | | | | | | |
| 136 Asheboro | 001 | F01 | 25 | 3. | 3. | 3. | 3. | 13. | 39. | 40. | 64. | 64. | | | | |
| 136 Burlington | 001 | F02 | 22 | 3. | 3. | 3. | 3. | 6. | 11. | 12. | 48. | 48. | | | | |
| 136 Eden | 001 | F02 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 101. | 101. | 101. | | | | |
| 136 Greensboro | 001 | A01 | 24 | 3. | 3. | 3. | 6. | 7. | 11. | 14. | 20. | 20. | 6. | 4.44 | 5.06 | 1.96 |
| 136 Lexington | 001 | F02 | 17 | 3. | 3. | 3. | 3. | 3. | 3. | 9. | 9. | 9. | | | | |
| 136 Northampton Co | 001 | F02 | 24 | 3. | 3. | 3. | 3. | 3. | 9. | 9. | 35. | 35. | | | | |
| 136 Reidsville | 001 | F01 | 21 | 3. | 3. | 3. | 3. | 11. | 20. | 24. | 39. | 39. | | | | |
| 136 Thomasville | 001 | F02 | 18 | 3. | 3. | 3. | 3. | 3. | 3. | 23. | 23. | 23. | | | | |
| 136 Winston-Salem | 002 | A01 | 22 | 3. | 3. | 3. | 7. | 12. | 35. | 40. | 41. | 41. | 12. | 12.49 | 7.61 | 2.68 |
| 165 Boone | 001 | F02 | 13 | 3. | 3. | 3. | 3. | 20. | 22. | 74. | 74. | 74. | | | | |
| 165 Forest City | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 16. | 25. | 25. | 25. | 25. | | | | |
| 165 Lenoir | 001 | G01 | 6 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | | | | |
| 165 Mc Dowell Co | 001 | F02 | 15 | 3. | 3. | 3. | 46. | 70. | 106. | 180. | 180. | 180. | | | | |
| 165 Marion | 001 | F01 | 27 | 3. | 3. | 3. | 3. | 26. | 44. | 45. | 54. | 54. | | | | |
| 165 Morganton | 001 | G01 | 17 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | | | | |
| 165 Polk Co | 001 | F01 | 13 | 3. | 3. | 3. | 10. | 14. | 25. | 189. | 189. | 189. | | | | |
| 165 Spruce Pine | 001 | F02 | 13 | 3. | 3. | 3. | 24. | 33. | 50. | 81. | 81. | 81. | | | | |
| 165 Wilkes Co | 001 | F01 | 11 | 3. | 3. | 3. | 13. | 23. | 37. | 60. | 60. | 60. | | | | |
| 165 Yancey Co | 002 | F01 | 13 | 3. | 3. | 3. | 3. | 18. | 26. | 59. | 59. | 59. | | | | |
| 166 Durham | 001 | A01 | 20 | 3. | 3. | 3. | 7. | 7. | 18. | 19. | 50. | 50. | | | | |
| 166 Roanoke Rapids | 001 | F02 | 24 | 3. | 3. | 3. | 3. | 14. | 69. | 71. | 100. | 100. | | | | |
| 166 Roxboro | 001 | F02 | 22 | 3. | 3. | 3. | 3. | 3. | 13. | 15. | 25. | 25. | | | | |
| 167 Albemarle | 001 | F01 | 24 | 3. | 3. | 3. | 3. | 3. | 13. | 14. | 26. | 26. | | | | |
| 167 Charlotte | 001 | A01 | 22 | 3. | 3. | 3. | 5. | 11. | 18. | 21. | 95. | 95. | | | | |
| 167 Concord | 001 | F01 | 20 | 3. | 3. | 3. | 3. | 3. | 12. | 16. | 48. | 48. | | | | |
| 167 Kannapolis | 001 | F02 | 20 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 28. | 28. | | | | |
| 167 Monroe | 001 | F01 | 26 | 3. | 3. | 3. | 3. | 3. | 23. | 33. | 79. | 79. | | | | |
| 167 Statesville | 001 | F01 | 20 | 3. | 3. | 3. | 3. | 3. | 5. | 16. | 50. | 50. | | | | |
| 168 Ahoskie | 001 | F01 | 3 | 3. | 3. | 3. | 3. | 8. | 8. | 8. | 8. | 8. | | | | |
| 168 Beaufort Co | 001 | F02 | 23 | 3. | 3. | 3. | 3. | 3. | 6. | 7. | 22. | 22. | | | | |
| 168 Bertie Co | 001 | F02 | 4 | 3. | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | | | | |
| 168 Camden Co | 001 | F01 | 27 | 3. | 3. | 3. | 3. | 3. | 3. | 11. | 19. | 19. | | | | |
| 168 Cape Hatteras Nat Park | 001 | A03 | 21 | 3. | 3. | 3. | 5. | 9. | 17. | 30. | 91. | 91. | | | | |
| 168 Edenton | 001 | F01 | 27 | 3. | 3. | 3. | 3. | 3. | 6. | 9. | 13. | 13. | | | | |
| 168 Elizabeth City | 001 | F01 | 27 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 8. | 8. | | | | |
| 168 Farmville | 001 | F02 | 22 | 3. | 3. | 3. | 3. | 3. | 8. | 14. | 20. | 20. | | | | |
| 168 Gates Co | 001 | F02 | 29 | 3. | 3. | 3. | 3. | 3. | 3. | 9. | 11. | 11. | | | | |
| 168 Hertford Co | 001 | F02 | 29 | 3. | 3. | 3. | 3. | 3. | 8. | 10. | 12. | 12. | | | | |
| | 002 | F02 | 24 | 3. | 3. | 3. | 3. | 3. | 9. | 12. | 14. | 14. | | | | |
| 168 Plymouth | 001 | F02 | 27 | 3. | 3. | 3. | 3. | 3. | 6. | 8. | 21. | 21. | | | | |
| 168 Washington | 001 | F01 | 3 | 3. | 3. | 3. | 3. | 29. | 29. | 29. | 29. | 29. | | | | |
| 169 Laurinburg | 001 | F01 | 27 | 3. | 3. | 3. | 3. | 3. | 34. | 61. | 77. | 77. | | | | |
| 169 Lumberton | 001 | F01 | 27 | 3. | 3. | 3. | 3. | 3. | 22. | 23. | 88. | 88. | | | | |
| 169 Rockingham | 001 | F02 | 26 | 3. | 3. | 3. | 3. | 3. | 33. | 53. | 99. | 99. | | | | |
| 170 Brunswick Co | 001 | F02 | 30 | 3. | 3. | 3. | 3. | 3. | 13. | 22. | 24. | 24. | | | | |
| 170 Columbus Co | 001 | F02 | 2 | 3. | 3. | 3. | 3. | 8. | 8. | 8. | 8. | 8. | | | | |
| | 002 | F02 | 30 | 3. | 3. | 3. | 3. | 3. | 18. | 27. | 88. | 88. | | | | |
| 170 Duplin Co | 001 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 170 Goldsboro | 002 | F01 | 27 | 3. | 3. | 3. | 3. | 3. | 13. | 34. | 34. | 34. | | | | |
| 170 Jacksonville | 002 | F01 | 29 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 15. | 15. | | | | |
| 170 Kinston | 001 | F02 | 26 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 8. | 8. | | | | |
| 170 Morehead City | 001 | F02 | 22 | 3. | 3. | 3. | 3. | 3. | 62. | 66. | 307. | 307. | | | | |
| 170 New Bern | 001 | F01 | 27 | 3. | 3. | 3. | 3. | 3. | 7. | 8. | 8. | 8. | | | | |
| 170 Whiteville | 001 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 170 Wilmington | 002 | F01 | 3 | 3. | 3. | 3. | 3. | 11. | 11. | 11. | 11. | 11. | | | | |
| | 003 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 004 | F02 | 28 | 3. | 3. | 3. | 3. | 3. | 14. | 24. | 106. | 106. | | | | |
| 171 Brevard | 001 | F02 | 27 | 3. | 3. | 3. | 3. | 3. | 11. | 13. | 15. | 15. | | | | |
| 171 Hendersonville | 002 | F01 | 10 | 18. | 18. | 24. | 35. | 50. | 94. | 113. | 113. | 113. | | | | |
| 171 Jackson Co | 001 | F02 | 29 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 002 | F02 | 24 | 3. | 3. | 3. | 23. | 69. | 186. | 226. | 298. | 298. | | | | |
| 171 Macon Co | 001 | F01 | 11 | 3. | 3. | 12. | 17. | 18. | 22. | 31. | 31. | 31. | | | | |
| 171 Swain Co | 001 | F01 | 10 | 3. | 3. | 28. | 34. | 42. | 43. | 49. | 49. | 49. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **OHIO** | | | | | | | | | | | | | | | | |
| 079 Cincinnati | 001 | A01 | 25 | 5. | 9. | 12. | 16. | 18. | 28. | 29. | 57. | 57. | 17. | 10.09 | 15.24 | 1.61 |
| | 003 | A01 | 26 | 3. | 3. | 7. | 12. | 29. | 60. | 91. | 115. | 115. | 24. | 27.37 | 13.57 | 3.08 |
| 124 Toledo | 001 | A01 | 26 | 3. | 3. | 5 | 9. | 22. | 37. | 53. | 61. | 61. | 15. | 15.43 | 9.24 | 2.72 |
| 173 Dayton | 001 | A01 | 22 | 3. | 3. | 5. | 11. | 25. | 55. | 67. | 68. | 68. | 22. | 21.22 | 12.53 | 3.19 |
| 174 Akron | 001 | A01 | 23 | 3. | 3. | 7. | 11. | 43. | 85. | 88. | 166. | 166. | 31. | 39.11 | 15.35 | 3.54 |
| | 004 | H01 | 10 | 18. | 18. | 50. | 109. | 123. | 162. | 217. | 217. | 217. | | | | |
| | 006 | H01 | 28 | 3. | 18. | 71. | 102. | 156. | 205. | 213. | 234. | 234. | 112. | 65.99 | 81.81 | 2.76 |
| 174 Barberton | 001 | H01 | 25 | 18. | 26. | 64. | 100. | 159. | 171. | 171. | 368. | 368. | 107. | 75.15 | 84.66 | 2.09 |
| 174 Canton | 001 | A01 | 23 | 3. | 3. | 7. | 15. | 23. | 32. | 46. | 53. | 53. | 17. | 13.84 | 11.75 | 2.67 |
| | 001 | H02 | 29 | 2. | 3. | 3. | 3. | 13. | 47. | 55. | 155. | 155. | 16. | 30.52 | 6.44 | 3.48 |
| | 003 | H02 | 27 | 2. | 3. | 3. | 3. | 21. | 39. | 55. | 126. | 126. | 17. | 26.55 | 7.22 | 3.73 |
| | 008 | H01 | 29 | 2. | 3. | 3. | 3. | 29. | 68. | 84. | 139. | 139. | 23. | 31.48 | 9.07 | 4.18 |
| | 011 | H01 | 18 | 3. | 3. | 3. | 3. | 3. | 31. | 39. | 39. | 39. | | | | |
| | 014 | H02 | 15 | 16. | 21. | 39. | 42. | 52. | 89. | 162. | 162. | 162. | | | | |
| 174 Cleveland | 001 | A01 | 13 | 13. | 16. | 21. | 35. | 47. | 61. | 100. | 100. | 100. | | | | |
| | 001 | H01 | 42 | 7. | 27. | 60. | 80. | 116. | 176. | 181. | 257. | 257. | | | | |
| | 003 | H01 | 85 | 5. | 12. | 34. | 49. | 78. | 117. | 143. | 190. | 190. | 60. | 41.24 | 45.17 | 2.33 |
| | 005 | H01 | 97 | 5. | 20. | 40 | 63. | 86. | 125. | 143. | 185. | 185. | 69. | 41.27 | 55.36 | 2.07 |
| | 006 | H01 | 65 | 3. | 8. | 23. | 39. | 60. | 94. | 102. | 137. | 137. | 46. | 33.03 | 32.59 | 2.60 |
| | 007 | H01 | 86 | 5. | 11. | 22. | 38. | 71. | 112. | 131. | 161. | 161. | 51. | 39.12 | 36.54 | 2.42 |
| | 008 | H01 | 87 | 9. | 19. | 43. | 63. | 90. | 135. | 157. | 227. | 227. | 72. | 46.59 | 56.82 | 2.10 |
| | 009 | H01 | 97 | 3. | 18. | 27. | 48. | 76. | 152. | 234. | 271. | 271. | 68. | 59.65 | 47.78 | 2.39 |
| | 010 | H01 | 77 | 6. | 12. | 24. | 35. | 60. | 126. | 143. | 171. | 171. | 52. | 42.84 | 36.60 | 2.36 |
| | 011 | H01 | 91 | 5. | 12. | 22. | 37. | 72. | 99. | 137. | 200. | 200. | 53. | 43.32 | 37.80 | 2.43 |
| | 012 | H01 | 95 | 13. | 24. | 53. | 83. | 102. | 161 | 184. | 278. | 278. | 86. | 53.85 | 69.01 | 2.03 |
| | 013 | H01 | 87 | 11. | 22. | 41. | 66 | 108. | 179. | 210. | 280. | 280. | 85. | 62.66 | 64.41 | 2.18 |
| | 024 | H01 | 87 | 6. | 17. | 28. | 47. | 69. | 107. | 132. | 188. | 188. | 55. | 37.91 | 42.01 | 2.16 |
| | 026 | H01 | 87 | 6. | 21. | 66. | 97. | 159 | 237. | 250. | 874. | 874. | 125. | 114.28 | 86.32 | 2.62 |
| | 027 | H01 | 83 | 3. | 13. | 26. | 49. | 100. | 167. | 205. | 371. | 371. | 76. | 71.19 | 47.95 | 2.82 |
| | 033 | H01 | 28 | 12. | 28. | 67. | 94. | 172. | 240. | 245. | 325. | 325. | | | | |
| 174 Stark Co | 001 | H03 | 28 | 2. | 3. | 3. | 3. | 21 | 47. | 97. | 170. | 170. | 20. | 35.77 | 7.81 | 3.86 |
| | 002 | H03 | 15 | 5. | 10. | 18. | 24. | 39. | 241. | 254. | 254. | 254. | | | | |
| 175 Wayne Co | 001 | H03 | 26 | 7. | 18. | 34. | 55. | 95. | 142. | 152. | 184. | 184. | 68. | 49.05 | 50.27 | 2.40 |
| 176 Columbus | 001 | A01 | 24 | 3. | 7. | 14. | 17. | 29. | 68. | 73. | 120. | 120. | 28. | 26.64 | 18.83 | 2.57 |
| 178 Youngstown | 001 | A01 | 26 | 3. | 3. | 3. | 8. | 17. | 48. | 50. | 104. | 104. | 17. | 22.08 | 9.08 | 3.01 |
| 181 Steubenville | 001 | A01 | 15 | 3. | 3. | 3. | 6. | 7. | 9. | 10. | 10. | 10. | | | | |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 017 Cherokee Co | 001 | A03 | 22 | 3. | 3. | 3. | 3. | 7. | 10. | 14. | 21. | 21. | 5. | 4.59 | 4.34 | 1.92 |
| 017 Poteau | 460 | F01 | 3 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 022 Idabel | 455 | F01 | 3 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 184 Oklahoma City | 015 | F01 | 48 | 3. | 3. | 3. | 3. | 3. | 13. | 17. | 28. | 28. | | | | |
| | 018 | F01 | 26 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 029 | A01 | 19 | 3 | 3. | 3. | 7. | 7. | 14. | 89. | 89. | 89. | | | | |
| 185 Blackwell | 598 | F01 | 35 | 3. | 3. | 3. | 3. | 3. | 20. | 101. | 206. | 206. | | | | |
| 186 Bartlesville | 215 | F01 | 30 | 3. | 3. | 3. | 3. | 10. | 21. | 35. | 46. | 46. | | | | |
| 186 Tulsa | 001 | A01 | 24 | 3. | 3. | 3. | 3. | 7. | 9 | 10. | 24. | 24. | 5. | 4.69 | 4.24 | 1.91 |
| | 111 | F01 | 38 | 3. | 3. | 3. | 8. | 19. | 51. | 188. | 407. | 407. | | | | |
| 187 Woodward | 800 | F01 | 8 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 188 Mc Alester | 410 | F01 | 65 | 3. | 3. | 3. | 3. | 3. | 3. | 8. | 61. | 61. | | | | |
| 189 Duncan | 661 | F01 | 36 | 3. | 3. | 3. | 3. | 5. | 16. | 32. | 44. | 44. | | | | |
| 189 Lawton | 646 | F01 | 34 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 8. | 8. | | | | |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Portland | 001 | A01 | 14 | 3. | 3. | 8. | 9. | 31 | 44 | 133. | 133. | 133. | | | | |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 001 | A01 | 21 | 3. | 5. | 12. | 18. | 48. | 79. | 98. | 162. | 162. | | | | |
| | 002 | A01 | 25 | 3. | 10. | 20. | 54. | 76. | 118. | 125. | 125. | 125. | 54. | 38.49 | 36.80 | 2.84 |
| 045 Warminster | 001 | A01 | 13 | 3. | 3. | 5. | 5 | 26 | 34. | 45. | 45. | 45. | | | | |
| 045 West Chester | 001 | A01 | 9 | 3. | 3. | 10. | 29. | 53. | 120. | 120. | 120. | 120. | | | | |
| 151 Allentown | 001 | A01 | 15 | 3. | 3. | 3. | 5. | 11. | 16. | 33. | 33. | 33. | | | | |
| 151 Reading | 001 | A01 | 20 | 3. | 3. | 3. | 17. | 51. | 77. | 78. | 106. | 106. | | | | |
| 151 Scranton | 001 | A01 | 24 | 3. | 3. | 7. | 11. | 33. | 70. | 82. | 182. | 182. | 30. | 39.94 | 14.48 | 3.62 |
| 178 Clearfield Co | 001 | A03 | 19 | 3. | 3. | 3. | 6. | 8. | 26. | 59. | 59. | 59. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **PENNSYLVANIA — Cont.** | | | | | | | | | | | | | | | | |
| | 002 | A03 | 15 | 3. | 3. | 3. | 5. | 7. | 23. | 29. | 29. | 29. | | | | |
| 178 Erie | 002 | A01 | 23 | 3. | 3. | 3. | 7. | 15. | 38. | 52. | 177. | 177. | 13. | 36.74 | 7.69 | 3.24 |
| 195 Johnstown | 001 | A01 | 13 | 3. | 3. | 3. | 3. | 3. | 5. | 12. | 12. | 12. | | | | |
| 196 Lancaster City | 002 | A01 | 14 | 3. | 3. | 7. | 9. | 16. | 45. | 75. | 75. | 75. | | | | |
| 196 York | 002 | A01 | 24 | 3. | 3. | 6. | 7. | 11. | 32. | 36. | 43. | 43. | 12. | 10.97 | 8.71 | 2.31 |
| 197 Indiana Co | 001 | A05 | 23 | 3. | 5. | 7. | 17. | 24. | 43. | 44. | 48. | 48. | 20. | 14.56 | 14.34 | 2.43 |
| | 003 | A05 | 20 | 5. | 7. | 10. | 13. | 18. | 30. | 43. | 62. | 62. | | | | |
| 197 Pittsburgh | 001 | A01 | 23 | 3. | 9. | 32. | 45. | 60. | 102. | 105. | 112. | 112. | 50. | 32.64 | 35.50 | 2.82 |
| **PUERTO RICO** | | | | | | | | | | | | | | | | |
| 244 Bayamon | 002 | A01 | 25 | 3. | 3. | 3. | 5. | 8. | 12. | 14. | 15. | 15. | 6. | 3.92 | 5.09 | 1.92 |
| 244 Guayanilla | 002 | A01 | 23 | 3. | 3. | 3. | 3. | 7. | 8. | 9. | 9. | 9. | | | | |
| 244 Ponce | 002 | A01 | 17 | 3. | 3. | 3. | 5. | 7. | 10. | 13. | 13. | 13. | | | | |
| 244 San Juan | 001 | A01 | 18 | 3. | 3. | 3. | 3. | 6. | 11. | 13. | 13. | 13. | | | | |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Charlestown | 001 | F01 | 25 | 13. | 13. | 13. | 14. | 26. | 49. | 58. | 104. | 104. | | | | |
| 120 Cranston | 001 | F01 | 38 | 13. | 13. | 13. | 21. | 93. | 173. | 236. | 249. | 249. | 66. | 69.56 | 36.98 | 3.00 |
| 120 Kent Co | 001 | F01 | 26 | 13. | 13. | 13. | 13. | 13. | 21. | 102. | 116. | 116. | | | | |
| 120 Newport | 001 | F01 | 32 | 12. | 13. | 13. | 16. | 49. | 111. | 132. | 139. | 139. | | | | |
| 120 North Kingstown | 002 | F01 | 26 | 13. | 13. | 13. | 13. | 13. | 56. | 79. | 127. | 127. | | | | |
| 120 Pawtucket | 002 | F01 | 37 | 13. | 13. | 13. | 13. | 21. | 65. | 93. | 139. | 139. | | | | |
| 120 Providence | 001 | A01 | 23 | 3. | 3. | 7. | 9. | 30. | 111. | 123. | 131. | 131. | | | | |
| | 005 | F01 | 36 | 13. | 13. | 13. | 13. | 35. | 205. | 350. | 373. | 373. | | | | |
| | 006 | F01 | 37 | 13. | 13. | 26. | 88. | 148. | 268. | 373. | 397. | 397. | | | | |
| | 007 | F01 | 3 | 16. | 16. | 16. | 63. | 88. | 88. | 88. | 88. | 88. | | | | |
| 120 Warwick | 001 | A01 | 10 | 13. | 13. | 13. | 19. | 26. | 44. | 174. | 174. | 174. | | | | |
| | 002 | F01 | 33 | 13. | 13. | 13. | 13. | 100. | 144. | 205. | 207. | 207. | | | | |
| 120 Washington Co | 002 | A03 | 20 | 3. | 3. | 3. | 7. | 7. | 17. | 33. | 139. | 139. | | | | |
| 120 Westerly | 002 | F01 | 37 | 13. | 13. | 13. | 13. | 13. | 93. | 93. | 104. | 104. | | | | |
| | 003 | F01 | 23 | 13. | 13. | 13. | 28. | 39. | 63. | 90. | 232. | 232. | | | | |
| 120 Woonsocket | 001 | F01 | 36 | 13. | 13. | 13. | 13. | 23. | 116. | 205. | 289. | 289. | | | | |
| **SOUTH CAROLINA** | | | | | | | | | | | | | | | | |
| 200 Richland Co | 002 | A03 | 22 | 3. | 3. | 3. | 5. | 7. | 11. | 12. | 12. | 12. | 6. | 3.34 | 4.84 | 1.84 |
| 202 Greenville | 001 | F01 | 18 | 3. | 3. | 3. | 3. | 37. | 37. | 39. | 39. | 39. | | | | |
| | 003 | F01 | 3 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 202 Greenville Co | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 8. | 13. | 13. | 13. | | | | |
| | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 13. | 34. | 50. | 50. | 50. | | | | |
| | 003 | F03 | 13 | 3. | 3. | 3. | 3. | 3. | 5. | 11. | 11. | 11. | | | | |
| 202 Greer | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 5. | 13. | 55. | 55. | 55. | | | | |
| 202 Simpsonville | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 21. | 21. | 21. | 21. | | | | |
| **SOUTH DAKOTA** | | | | | | | | | | | | | | | | |
| 205 Black Hills Nat Forest | 001 | A03 | 18 | 3. | 3. | 3. | 6. | 7. | 13. | 19. | 19. | 19. | | | | |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 007 Cumberland Co | 001 | A03 | 7 | 3. | 3. | 3. | 3. | 5. | 7. | 7. | 7. | 7. | | | | |
| 018 Memphis | 001 | A01 | 25 | 3. | 3. | 3. | 7. | 10. | 12. | 14. | 16. | 16. | 7. | 4.10 | 5.92 | 1.94 |
| 055 Chattanooga | 001 | A01 | 15 | 3. | 3. | 5. | 8. | 11. | 30. | 32. | 32. | 32. | | | | |
| 207 Knoxville | 001 | A01 | 22 | 3. | 3. | 3. | 7. | 9. | 15. | 18. | 49. | 49. | | | | |
| 208 Nashville | 001 | A01 | 15 | 3. | 3. | 5. | 10. | 21. | 30. | 31. | 31. | 31. | | | | |
| **TEXAS** | | | | | | | | | | | | | | | | |
| 106 Beaumont | 001 | A01 | 20 | 3. | 3. | 5. | 7. | 9. | 11. | 14. | 17. | 17. | | | | |
| 153 El Paso | 002 | A01 | 22 | 3. | 3. | 7. | 8. | 13. | 36. | 38. | 89. | 89. | | | | |
| 210 Wichita Falls | 001 | A01 | 23 | 3. | 3. | 3. | 5. | 7. | 9. | 9. | 13. | 13. | | | | |
| | 002 | F01 | 23 | 3. | 3. | 3. | 3. | 12. | 13. | 13. | 40. | 40. | | | | |
| 211 Amarillo | 002 | A01 | 16 | 3. | 3. | 3. | 3. | 7. | 10. | 12. | 12. | 12. | | | | |
| | 002 | F01 | 29 | 3. | 3. | 3. | 3. | 11. | 13. | 14. | 26. | 26. | | | | |
| 211 Lubbock | 001 | A01 | 19 | 3. | 3. | 3. | 3. | 7. | 9. | 10. | 10. | 10. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TEXAS — Cont.** | | | | | | | | | | | | | | | | |
| 212 Austin | 002 | A01 | 21 | 3. | 3. | 3. | 3. | 6. | 11. | 13. | 15. | 15. | | | | |
| 212 San Marcos | 001 | F01 | 23 | 3. | 3. | 3. | 3. | 3. | 13. | 18. | 19. | 19. | | | | |
| 214 Calhoun Co | 001 | F01 | 8 | 3. | 3. | 3. | 3. | 13. | 13. | 13. | 13. | 13. | | | | |
| 214 Corpus Christi | 001 | A01 | 21 | 3. | 3. | 3. | 3. | 7. | 8. | 9. | 9. | 9. | | | | |
| | 012 | F01 | 24 | 3. | 3. | 3. | 3. | 3. | 13. | 13. | 27. | 27. | 5. | 6.08 | 3.74 | 2.13 |
| | 012 | G01 | 5 | 3. | 3. | 3. | 3. | 8. | 10. | 10. | 10. | 10. | | | | |
| | 016 | G01 | 18 | 3. | 3. | 18. | 52. | 131. | 341. | 367. | 367. | 367. | | | | |
| 215 Dallas | 002 | A01 | 21 | 3. | 3. | 3. | 5. | 7. | 9. | 9. | 10. | 10. | | | | |
| | 002 | H01 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 12. | 12. | 12. | | | | |
| | 003 | H01 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 14. | 14. | 14. | | | | |
| 215 Fort Worth | 001 | A01 | 23 | 3. | 3. | 3. | 5. | 7. | 7. | 9. | 9. | 9. | 5. | 2.37 | 4.16 | 1.68 |
| 216 Baytown | 002 | F01 | 20 | 3. | 3. | 3. | 3. | 3. | 13. | 13. | 20. | 20. | | | | |
| 216 Deer Park | 001 | H01 | 89 | 3. | 3. | 3. | 3. | 31. | 108. | 157. | 238. | 238. | 34. | 55.03 | 9.31 | 5.07 |
| 216 Houston | 001 | A01 | 19 | 3. | 3. | 5. | 7. | 8. | 21. | 37. | 37. | 37. | | | | |
| | 001 | H01 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 002 | H01 | 33 | 3. | 3. | 3. | 3. | 3. | 76. | 112. | 140. | 140. | | | | |
| | 003 | H01 | 102 | 3. | 3. | 3. | 3. | 31. | 84. | 182. | 318. | 344. | 32. | 64.09 | 7.69 | 5.01 |
| | 004 | H01 | 91 | 3. | 3. | 3. | 3. | 3. | 77. | 97. | 183. | 183. | 19. | 37.09 | 5.28 | 3.89 |
| | 005 | H01 | 111 | 3. | 3. | 3. | 3. | 3. | 56. | 91. | 159. | 187. | 17. | 32.26 | 5.39 | 3.78 |
| | 006 | H01 | 105 | 3. | 3. | 3. | 3. | 9. | 54. | 92. | 202. | 204. | 20. | 37.75 | 6.15 | 3.98 |
| | 007 | H01 | 37 | 3. | 3. | 3. | 3. | 9. | 53. | 112. | 142. | 142. | | | | |
| | 008 | H01 | 96 | 3. | 3. | 3. | 3. | 3. | 28. | 50. | 75. | 75. | 8. | 14.45 | 3.81 | 2.57 |
| | 009 | H01 | 35 | 3. | 3. | 3. | 3. | 3. | 48. | 116. | 134. | 134. | | | | |
| | 010 | H01 | 62 | 3. | 3. | 3. | 3. | 3. | 3. | 21. | 71. | 71. | | | | |
| | 011 | H01 | 109 | 3. | 3. | 3. | 3. | 3. | 28. | 61. | 77. | 140. | 10. | 20.95 | 3.97 | 2.84 |
| | 012 | H01 | 111 | 3. | 3. | 3. | 3. | 3. | 25. | 40. | 67. | 95. | 9. | 14.90 | 4.27 | 2.73 |
| | 013 | H01 | 37 | 3. | 3. | 3. | 3. | 20. | 92. | 151. | 300. | 300. | | | | |
| | 014 | H01 | 86 | 3. | 3. | 3. | 3. | 32. | 80. | 118. | 365. | 365. | 30. | 51.74 | 9.91 | 4.58 |
| | 015 | H01 | 63 | 3. | 3. | 9. | 43. | 78. | 156. | 208. | 318. | 318. | | | | |
| | 016 | H01 | 98 | 3. | 3. | 3. | 22. | 56. | 91. | 127. | 353. | 353. | 41. | 50.85 | 16.97 | 4.58 |
| 216 League City | 001 | F01 | 8 | 3. | 3. | 3. | 3. | 7. | 8. | 8. | 8. | 8. | | | | |
| 216 Matagorda Co | 001 | A03 | 18 | 3. | 3. | 5. | 5. | 7. | 11. | 12. | 12. | 12. | | | | |
| 216 Pasadena | 002 | A01 | 24 | 3. | 3. | 3. | 3. | 6. | 7. | 9. | 9. | 9. | 5. | 2.33 | 4.04 | 1.67 |
| | 002 | H01 | 93 | 3. | 3. | 3. | 19. | 64. | 110. | 354. | 721. | 721. | 62. | 113.12 | 17.94 | 5.43 |
| 217 San Antonio | 001 | A01 | 22 | 3. | 3. | 3. | 3. | 7. | 9. | 9. | 10. | 10. | | | | |
| | 001 | G01 | 50 | 3. | 3. | 3. | 5. | 10. | 16. | 31. | 110. | 110. | 11. | 17.81 | 6.26 | 2.55 |
| | 024 | G01 | 51 | 3. | 3. | 3. | 3. | 5. | 13. | 13. | 21. | 21. | 5. | 4.41 | 4.22 | 1.97 |
| | 027 | G01 | 48 | 3. | 3. | 3. | 3. | 5. | 10. | 10. | 10. | 10. | 4. | 2.63 | 3.77 | 1.70 |
| 218 Odessa | 001 | F01 | 23 | 3. | 3. | 3. | 3. | 5. | 13. | 18. | 18. | 18. | | | | |
| 218 San Angelo | 001 | F01 | 26 | 3. | 3. | 3. | 3. | 13. | 17. | 17. | 45. | 45. | | | | |
| 218 Tom Green Co | 001 | A03 | 22 | 3. | 3. | 3. | 3. | 6. | 7. | 7. | 8. | 8. | | | | |
| **UTAH** | | | | | | | | | | | | | | | | |
| 220 Salt Lake City | 001 | A01 | 22 | 3. | 3. | 7. | 9. | 11. | 19. | 46. | 61. | 61. | | | | |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 207 Wythe Co | 001 | A03 | 24 | 3. | 3. | 3. | 5. | 7. | 9. | 11. | 26. | 26. | | | | |
| 222 Bedford | 002 | F01 | 4 | 2. | 2. | 24. | 24. | 24. | 50. | 50. | 50. | 50. | | | | |
| 222 Lynchburg | 003 | F01 | 27 | 2. | 2. | 2. | 12. | 24. | 110. | 176. | 270. | 270. | | | | |
| 222 Martinsville | 005 | F01 | 20 | 2. | 2. | 2. | 8. | 18. | 31. | 102. | 165. | 165. | | | | |
| 223 Chesapeake | 003 | F02 | 26 | 2. | 2. | 2. | 10. | 31. | 79. | 241. | 401. | 401. | 43. | 87.29 | 12.97 | 4.61 |
| | 005 | F02 | 20 | 2. | 2. | 2. | 26. | 45. | 97. | 259. | 272. | 272. | | | | |
| 223 Newport News | 001 | A01 | 19 | 3. | 3. | 3. | 7. | 7. | 11. | 16. | 16. | 16. | | | | |
| 223 Norfolk | 001 | A01 | 24 | 3. | 3. | 9. | 12. | 31. | 93. | 113. | 149. | 149. | 30. | 37.74 | 15.40 | 3.31 |
| | 007 | F01 | 27 | 2. | 2. | 16. | 24. | 39. | 136. | 215. | 288. | 288. | 50. | 67.91 | 25.70 | 3.38 |
| 223 Portsmouth | 001 | A01 | 25 | 3. | 3. | 3. | 3. | 7. | 17. | 32. | 35. | 35. | 7. | 8.77 | 4.78 | 2.36 |
| 223 Virginia Beach | 003 | F02 | 2 | 45. | 45. | 45. | 45. | 110. | 110. | 110. | 110. | 110. | | | | |
| 223 York Co | 002 | F02 | 7 | 2. | 2. | 8. | 13. | 37. | 126. | 126. | 126. | 126. | | | | |
| 225 Prince George Co | 001 | F02 | 1 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | |
| 225 Richmond | 002 | A01 | 18 | 3. | 3. | 7. | 17. | 34. | 66. | 121. | 121. | 121. | | | | |
| | 008 | F01 | 4 | 10. | 10. | 45. | 45. | 50. | 110. | 110. | 110. | 110. | | | | |
| 226 Pulaski | 007 | F02 | 8 | 2. | 2. | 8. | 8. | 18. | 63. | 63. | 63. | 63. | | | | |
| 226 Shenandoah Nat Park | 001 | A03 | 24 | 3. | 3. | 3. | 5. | 7. | 16. | 21. | 35. | 35. | 8. | 7.44 | 5.50 | 2.14 |
| 226 Waynesboro | 001 | F02 | 11 | 2. | 2. | 2. | 8. | 8. | 37. | 181. | 181. | 181. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **WASHINGTON** | | | | | | | | | | | | | | | | |
| 062 Spokane | 001 | A01 | 17 | 3. | 3. | 3. | 7. | 9. | 14. | 20. | 20. | 20. | | | | |
| 229 King Co | 002 | A03 | 4 | 7. | 7. | 8. | 8. | 8. | 10. | 10. | 10. | 10. | | | | |
| 229 Seattle | 001 | A01 | 25 | 3. | 7. | 14. | 19. | 27. | 48. | 78. | 89. | 89. | 24. | 21.03 | 17.37 | 2.33 |
| 229 Tacoma | 001 | A01 | 18 | 3. | 3. | 6. | 7. | 9. | 17. | 59. | 59. | 59. | | | | |
| **WEST VIRGINIA** | | | | | | | | | | | | | | | | |
| 181 Follansbee | 004 | F02 | 14 | 24. | 29. | 55. | 76. | 84. | 145. | 147. | 147. | 147. | | | | |
| 181 Hancock Co | 003 | F02 | 16 | 8. | 13. | 24. | 47. | 71. | 110. | 118. | 118. | 118. | | | | |
| | 004 | F02 | 11 | 16. | 16. | 29. | 50. | 73. | 84. | 94. | 94. | 94. | | | | |
| 181 Moundsville | 001 | F02 | 15 | 10. | 16. | 37. | 76. | 110. | 196. | 225. | 225. | 225. | | | | |
| 181 Wellsburg | 002 | F01 | 16 | 24. | 24. | 45. | 71. | 115. | 147. | 152. | 152. | 152. | | | | |
| 234 Charleston | 001 | A01 | 22 | 3. | 3. | 3. | 7. | 8. | 11. | 13. | 17. | 17. | 7. | 4.14 | 5.55 | 1.95 |
| | 007 | F02 | 56 | 3. | 5. | 10. | 18. | 26. | 37. | 47. | 52. | 52. | | | | |
| 234 Kanawha Co | 002 | F02 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 8. | 8. | 8. | | | | |
| 234 Nitro | 001 | F02 | 53 | 3. | 3. | 5. | 10. | 24. | 55. | 60. | 241. | 241. | | | | |
| 234 Putnam Co | 001 | F01 | 17 | 3. | 5. | 10. | 18. | 21. | 37. | 52. | 52. | 52. | | | | |
| | 002 | F02 | 15 | 3. | 3. | 3. | 8. | 13. | 26. | 26. | 26. | 26. | | | | |
| | 003 | F02 | 55 | 3. | 8. | 16. | 26. | 34. | 52. | 58. | 99. | 99. | | | | |
| 234 South Charleston | 003 | F01 | 14 | 3. | 3. | 3. | 3. | 5. | 13. | 16. | 16. | 16. | | | | |
| | 004 | F02 | 47 | 3. | 5. | 13. | 26. | 50. | 68. | 76. | 97. | 97. | | | | |
| **WISCONSIN** | | | | | | | | | | | | | | | | |
| 237 Door Co | 001 | A03 | 1 | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | | | | |
| 239 Milwaukee | 001 | A01 | 21 | 3. | 3. | 9. | 14. | 23. | 35. | 41. | 42. | 42. | | | | |
| 240 Madison | 001 | A01 | 26 | 3. | 3. | 5. | 7. | 14. | 21. | 24. | 75. | 75. | 12. | 14.32 | 7.67 | 2.42 |
| **WYOMING** | | | | | | | | | | | | | | | | |
| 241 Casper | 001 | A01 | 20 | 3. | 3. | 3. | 3. | 6. | 8. | 8. | 33. | 33. | | | | |
| 243 Yellowstone Nat Park | 001 | A03 | 19 | 3. | 3. | 3. | 3. | 7. | 10. | 10. | 10. | 10. | | | | |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COLORIMETRIC-LYSHKOW (MOD), 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 005 Mobile | 008 | G01 | 59 | 9. | 9. | 28. | 38. | 47. | 66. | 66. | 66. | 66. | | | | |
| **CALIFORNIA** | | | | | | | | | | | | | | | | |
| 024 Anaheim | 001 | I01 | 7875 | 9. | 38. | 56. | 75. | 113. | 188. | 244. | 414. | 1015. | 98. | 82.01 | 73.25 | 2.28 |
| 024 Azusa | 002 | I01 | 7998 | 9. | 9. | 75. | 113. | 132. | 207. | 263. | 395. | 696. | 116. | 81.24 | 84.90 | 2.50 |
| 024 Burbank | 002 | I01 | 7833 | 9. | 56. | 113. | 150. | 207. | 320. | 395. | 564. | 996. | 173. | 113.89 | 138.23 | 2.09 |
| 024 La Habra | 001 | I01 | 7565 | 9. | 38. | 56. | 94. | 113. | 188. | 226. | 376. | 639. | 100. | 69.87 | 77.75 | 2.17 |
| 024 Lennox | 001 | I01 | 8030 | 9. | 56. | 75. | 113. | 150. | 226. | 301. | 489. | 808. | 130. | 86.94 | 106.49 | 1.94 |
| 024 Long Beach | 002 | I01 | 8075 | 9. | 56. | 75. | 94. | 132. | 226. | 301. | 489. | 865. | 126. | 89.47 | 102.69 | 1.93 |
| 024 Los Angeles | 001 | I01 | 8017 | 9. | 75. | 113. | 150. | 188. | 301. | 395. | 602. | 1391. | 173. | 114 54 | 144.08 | 1.87 |
| | 002 | I01 | 7918 | 9. | 56. | 94. | 113. | 150. | 244. | 320. | 508. | 1128. | 141. | 97.72 | 113.88 | 2.00 |
| 024 Los Angeles Co | 001 | I01 | 7881 | 9. | 38. | 75. | 113. | 169. | 244. | 301. | 432. | 714. | 132. | 91 58 | 98.89 | 2.41 |
| 024 Ojai | 001 | I01 | 6317 | 9. | 9. | 38. | 38. | 75. | 113. | 113. | 150. | 301. | | | | |
| 024 Pomona | 001 | I01 | 8120 | 9. | 75. | 94. | 132. | 169. | 244. | 301. | 451. | 752. | 146. | 83.12 | 125.45 | 1.80 |
| 024 Redlands | 001 | I01 | 7463 | 9. | 9. | 38. | 75. | 94. | 150. | 188. | 263. | 602. | 79. | 56.00 | 58.69 | 2.36 |
| 024 Riverside | 001 | I01 | 5442 | 9. | 9. | 56. | 75. | 113. | 169. | 226. | 338. | 714. | | | | |
| 024 San Bernardino | 001 | I01 | 6575 | 9. | 38. | 56. | 75. | 113. | 169. | 226. | 320. | 508. | | | | |
| 024 Santa Ana | 002 | I01 | 7586 | 9. | 9. | 9. | 38. | 56. | 132. | 169. | 282. | 658. | 54. | 61.27 | 30.94 | 2.98 |
| 025 Salinas | 001 | I01 | 6847 | 9. | 9. | 9. | 38. | 56. | 75. | 94. | 113. | 207. | | | | |
| 025 Santa Cruz Co | 001 | I01 | 8040 | 9. | 9. | 9. | 9. | 38. | 56. | 56. | 75. | 169. | 23. | 18.87 | 17.29 | 2.13 |
| 026 Chico | 001 | F01 | 7835 | 9. | 9. | 9. | 9. | 38. | 75. | 94. | 113. | 188. | 31. | 27.56 | 20.96 | 2.41 |
| 028 Sacramento | 002 | F01 | 7524 | 9. | 9. | 38. | 38. | 56. | 75. | 113. | 150. | 470. | | | | |
| 029 San Diego Co | 005 | I01 | 7406 | 9. | 9. | 38. | 56. | 94. | 150. | 188. | 320. | 752. | 74. | 66.63 | 48.40 | 2.74 |
| 030 Oakland | 004 | F01 | 7388 | 9. | 38. | 38. | 75. | 75. | 132. | 169. | 244. | 470. | 75. | 47.36 | 60.24 | 2.05 |
| 030 Pittsburg | 001 | I01 | 7733 | 9. | 9. | 9. | 38. | 56. | 75. | 94. | 132. | 282. | 39. | 28.55 | 28.21 | 2.36 |
| 030 Redwood City | 001 | I01 | 7901 | 9. | 9. | 38. | 56. | 56. | 94. | 132. | 207. | 395. | 54. | 39.14 | 41.16 | 2.25 |
| 030 Richmond | 001 | I01 | 8237 | 9. | 9. | 9. | 38. | 56. | 75. | 94. | 132. | 357. | 36. | 28.81 | 25.19 | 2.41 |
| 030 San Rafael | 001 | I01 | 7999 | 9. | 9. | 38. | 38. | 56. | 75. | 94. | 113. | 226. | 42. | 26.03 | 32.91 | 2.21 |
| 030 Santa Rosa | 001 | F01 | 2351 | 9. | 9. | 38. | 38. | 38. | 56. | 75. | 94. | 188. | | | | |
| 031 Bakersfield | 001 | A01 | 4354 | 9. | 38. | 56. | 75. | 94. | 113. | 132. | 169. | 263. | | | | |
| 031 Stockton | 002 | F01 | 7160 | 9. | 9. | 38. | 38. | 56. | 75. | 94. | 132. | 282. | 41. | 28.13 | 31.38 | 2.22 |
| 031 Visalia | 001 | F01 | 7606 | 9. | 9. | 38. | 38. | 56. | 94. | 113. | 169. | 282. | 45. | 33.47 | 33.07 | 2.34 |
| 033 Banning | 001 | I01 | 5179 | 9. | 9. | 9. | 38. | 56. | 75. | 113. | 169. | 376. | | | | |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 042 New Britain | 002 | F01 | 1244 | 9. | 9. | 9. | 9. | 9. | 23. | 26. | 36. | 41. | | | | |
| 043 Stamford | 003 | F01 | 958 | 9. | 19. | 38. | 75. | 94. | 226. | 301. | 338. | 395. | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 002 | A01 | 1296 | 9. | 26. | 53. | 62. | 81. | 109. | 130. | 182. | 244. | | | | |
| | 002 | A05 | 240 | 9. | 43. | 53. | 71. | 81. | 90. | 100. | 109. | 120. | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 047 Chicago | 003 | H01 | 6285 | 9. | 9. | 38. | 75. | 113. | 188. | 226. | 771. | 5884. | | | | |
| | 004 | H01 | 5838 | 9. | 9. | 75. | 113. | 169. | 263. | 489. | 2651. | 4926. | | | | |
| | 005 | H01 | 5855 | 9. | 9. | 75. | 113. | 150. | 226. | 320. | 733. | 2970. | | | | |
| | 006 | H01 | 6298 | 9. | 9. | 9. | 38. | 56. | 132. | 263. | 1466. | 4268. | | | | |
| | 007 | H01 | 5495 | 9. | 9. | 9. | 56. | 113. | 207. | 432. | 1692. | 5584. | | | | |
| | 008 | H01 | 5380 | 9. | 9. | 38. | 56. | 94. | 188. | 320. | 827. | 4380. | | | | |
| | 009 | H01 | 14 | 9. | 9. | 9. | 9. | 113. | 2162. | 3779. | 3779. | 3779. | | | | |
| | 010 | H01 | 4: | 9. | 9. | 9. | 320. | 1504. | 1504. | 1504. | 1899. | 1899. | | | | |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Paducah | 019 | F01 | 4269 | 9. | 9. | 9. | 9. | 24. | 47. | 60. | 98. | 451. | | | | |
| 077 Owensboro | 004 | F01 | 6025 | 9. | 9. | 9. | 28. | 43. | 68. | 92. | 165. | 470. | | | | |
| 078 Jefferson Co | 023 | G01 | 3005 | 9. | 9. | 9. | 38. | 56. | 85. | 103. | 150. | 207. | | | | |
| 078 Louisville | 011 | G01 | 3025 | 9. | 9. | 38. | 56. | 75. | 122. | 132. | 188. | 338. | | | | |
| 079 Erlanger | 001 | F01 | 4 | 376. | 376. | 376. | 376. | 564. | 752. | 752. | 752. | 752. | | | | |
| 079 Newport | 001 | F01 | 4381 | 9. | 9. | 39. | 60. | 90. | 173. | 227 | 385. | 735. | | | | |

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## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COLORIMETRIC-LYSHKOW (MOD), 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Afton | 001 | G01 | 2420 | 9. | 51. | 73. | 96. | 122. | 154. | 169. | 207. | 290. | | | | |
| 070 Bellefontaine Neighbors | 002 | G01 | 2950 | 9. | 23. | 43. | 60. | 83. | 124. | 149. | 188. | 316. | | | | |
| 070 Clayton | 001 | G01 | 3059 | 9. | 41. | 64. | 81. | 103. | 145. | 165. | 201. | 301. | | | | |
| 070 St Ann | 001 | G01 | 2738 | 9. | 9. | 38. | 53. | 75. | 115. | 137. | 184. | 457. | | | | |
| 070 St Louis | 002 | A05 | 322 | 9. | 43 | 53. | 71. | 81. | 100. | 109. | 182. | 282. | | | | |
| 070 St Louis Co | 006 | G01 | 568 | 9. | 9. | 21. | 32. | 45. | 132. | 184. | 293. | 353. | | | | |
| 094 Kansas City | 018 | H01 | 2194 | 9. | 9. | 9. | 9. | 19. | 28. | 34. | 43. | 56. | | | | |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 043 Hempstead | 005 | F01 | 6542 | 9. | 9. | 30. | 47. | 71. | 120. | 147. | 226. | 1028. | | | | |
| 043 Mamaroneck | 002 | F01 | 5663 | 9. | 9. | 38. | 56. | 79. | 120. | 145. | 218. | 290. | | | | |
| 043 New York City | 050 | F01 | 6140 | 9. | 23. | 68. | 111. | 156. | 237. | 286. | 395. | 744. | | | | |
| 158 Syracuse | 005 | F01 | 6953 | 9. | 9. | 9. | 26. | 47. | 86. | 107. | 160. | 372. | | | | |
| | 011 | F01 | 3046 | 9. | 32. | 49. | 62. | 77. | 103. | 117. | 158. | 791. | | | | |
| 160 Rochester | 004 | F01 | 6152 | 9. | 9. | 34. | 55. | 77. | 120. | 147. | 205. | 306. | | | | |
| 161 Columbia Co | 002 | F01 | 1933 | 9. | 9. | 23. | 38. | 45. | 68. | 92. | 137. | 211. | | | | |
| 161 Kingston | 002 | F01 | 6274 | 9. | 9. | 41. | 60. | 79. | 111. | 135. | 173. | 331. | | | | |
| 161 Rensselaer | 001 | F01 | 831 | 9. | 9. | 9. | 21. | 34. | 56. | 70. | 111. | 188. | | | | |
| 162 Buffalo | 005 | F01 | 4575 | 9. | 38. | 68. | 86. | 107. | 165. | 201. | 271 | 500. | | | | |
| 162 Niagara Falls | 006 | F01 | 4996 | 9. | 45. | 75. | 96. | 120. | 175. | 211. | 350. | 1758. | | | | |
| **OHIO** | | | | | | | | | | | | | | | | |
| 079 Cincinnati | 003 | A05 | 336 | 26. | 53. | 62. | 81. | 109. | 150. | 182. | 284. | 321. | | | | |
| 174 Akron | 013 | H01 | 3076 | 9. | 19. | 38. | 56. | 79. | 113. | 150. | 205. | 376. | | | | |
| 174 Barberton | 006 | H01 | 1311 | 9. | 9. | 21. | 30. | 38. | 51. | 60. | 75. | 103. | | | | |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 184 Oklahoma City | 018 | F01 | 3266 | 9. | 28. | 39. | 53. | 64. | 90. | 105. | 132. | 154. | | | | |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Portland | 002 | F01 | 8288 | 9. | 19. | 38. | 38. | 56. | 75. | 94. | 132. | 244. | 47. | 24.07 | 40.81 | 1.73 |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 047 Alexandria | 009 | H01 | 13 | 9. | 20. | 20. | 40. | 60. | 100. | 110. | 110. | 110. | | | | |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COLORIMETRIC-GRIESS-SALTZMAN, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Denver | 002 | A10 | 4522 | 9. | 9. | 38. | 56. | 75. | 113. | 132. | 207. | 696. | | | | |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 042 New Britain | 002 | F01 | 3519 | 9. | 9. | 9. | 9. | 25. | 36. | 40. | 58. | 130. | | | | |
| 042 New Haven | 004 | F01 | 351 | 9. | 19. | 75. | 113. | 132. | 188. | 226. | 263. | 320. | | | | |
| 043 Stamford | 003 | F01 | 510 | 9. | 38. | 56. | 113. | 169. | 282. | 357. | 414. | 996. | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 003 | A10 | 7260 | 9. | 38. | 56. | 56. | 75. | 113. | 132. | 169. | 432. | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 067 Chicago | 002 | A10 | 6736 | 9. | 56. | 75. | 94. | 113. | 169. | 244. | 714. | 1109. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 St Louis | 002 | A10 | 7084 | 9. | 38. | 38. | 56. | 75. | 113. | 113. | 132. | 263. | | | | |
| **NEW JERSEY** | | | | | | | | | | | | | | | | |
| 043 Bayonne | 003 | F01 | 8209 | 9. | 23. | 49. | 73. | 98. | 141. | 171. | 246. | 504. | 80. | 51.61 | 62.91 | 2.16 |
| 043 Newark | 002 | F01 | 8004 | 9. | 41. | 68. | 92. | 122. | 182. | 222. | 320. | 688. | 105. | 63.81 | 87.83 | 1.90 |
| 045 Camden | 003 | F01 | 8474 | 9. | 9. | 45. | 70. | 92. | 130. | 158. | 226. | 579. | 74. | 47.69 | 57.37 | 2.23 |
| 151 Phillipsburg | 002 | F01 | 3138 | 9. | 32. | 53. | 66. | 83. | 111. | 130. | 182. | 282. | | | | |
| **OHIO** | | | | | | | | | | | | | | | | |
| 079 Cincinnati | 003 | A10 | 5795 | 9. | 9. | 38. | 56. | 75. | 113. | 150. | 207. | 320. | | | | |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 002 | A10 | 6553 | 9. | 38. | 56. | 56. | 75. | 113. | 150. | 263. | 790. | | | | |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Providence | 005 | F01 | 2454 | 9. | 56. | 79. | 102. | 122. | 169. | 207. | 357 | 777 | | | | |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 047 Alexandria | 009 | H01 | 3070 | 9. | 9. | 20. | 40. | 37600. | 41000. | 76720. | 44400. | 1600. | | | | |
| 047 Seven Corners | 004 | G01 | 2899 | 9. | 9. | 34. | 45. | 62. | 96. | 122. | 226. | 357. | | | | |

## TOTAL HYDROCARBON, micrograms per cubic meter (25 C)
## INSTRUMENTAL FLAME IONIZATION, 1 hour

1971 Annual Report

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 005 Mobile | 008 | G01 | 295 | 65. | 1308. | 1439. | 1570. | 1700. | 2093. | 2551. | 4055. | 4513. | | | | |
| **ARIZONA** | | | | | | | | | | | | | | | | |
| 015 Phoenix | 007 | G01 | 7786 | 65. | 65. | 196. | 654. | 1046. | 2158. | 2812. | 4774. | 21582. | | | | |
| **CALIFORNIA** | | | | | | | | | | | | | | | | |
| 024 Anaheim | 001 | I01 | 7630 | 1308. | 1308. | 1962. | 1962. | 3270. | 5232. | 5886. | 7848. | 9810. | | | | |
| 024 Azusa | 002 | I01 | 8185 | 654. | 1308. | 1962. | 1962. | 2616. | 3270. | 3924. | 5232. | 9810. | 2165. | 881.30 | 22.12 | 1.43 |
| 024 Burbank | 002 | I01 | 8418 | 654. | 1308. | 1962. | 1962. | 2616. | 4578. | 5886. | 7848. | 9810. | 2757. | 430.24 | 479.25 | 1.56 |
| 024 Lennox | 001 | I01 | 8408 | 654. | 1308. | 1308. | 1962. | 1962. | 3924. | 5232. | 7848. | 9810. | 2252. | 403.02 | 961.52 | 1.64 |
| 024 Los Angeles | 001 | I01 | 8581 | 654. | 1308. | 1962. | 1962. | 2616. | 3270. | 3924. | 5232. | 7848. | 2368. | 844.45 | 242.51 | 1.38 |
| 024 Los Angeles Co | 001 | I01 | 8469 | 654. | 1308. | 1962. | 1962. | 2616. | 3270. | 4578. | 5886. | 9810. | 2251. | 1.76 | 83.17 | 1.46 |
| 024 Pomona | 001 | I01 | 8645 | 654. | 1308. | 1308. | 1962. | 1962. | 2616. | 3270. | 3924. | 7194. | 1863. | 640.86 | 767.96 | 1.37 |
| 024 Riverside | 001 | I01 | 7854 | 65. | 1308. | 1308. | 1962. | 2616. | 3270. | 3924. | 5232. | 7848. | 2151. | 921.32 | 946.86 | 1.64 |
| 024 San Bernardino | 001 | I01 | 8635 | 654. | 1308. | 1962. | 1962. | 2616. | 3270. | 3924. | 4578. | 7194. | 2207. | 802.31 | 78.24 | 1.41 |
| 025 Salinas | 001 | I01 | 7781 | 1308. | 1308. | 1308. | 1962. | 1962. | 1962. | 2616. | 3270. | 7848. | | | | |
| 028 Chico | 001 | F01 | 8661 | 654. | 1308. | 1962. | 1962. | 1962. | 2616. | 2616. | 3270. | 7194. | 2010. | 437.97 | 965.92 | 1.24 |
| 028 Sacramento | 002 | F01 | 8213 | 654. | 1308. | 1962. | 1962. | 2616. | 4578. | 5232. | 7848. | 9810. | 2587. | 351.07 | 332.18 | 1.54 |
| 030 Burlingame | 001 | I01 | 8271 | 654. | 1308. | 1308. | 1962. | 1962. | 2616. | 3924. | 4578. | 9156. | 1916. | 877.06 | 729.70 | 1.59 |
| 030 Fremont | 001 | I01 | 8257 | 1308. | 1308. | 1962. | 1962. | 2616. | 3270. | 3270. | 4578. | 7194. | 2089. | 741.92 | 975.92 | 1.39 |
| 030 Oakland | 004 | F01 | 8635 | 1308. | 1962. | 1962. | 1962. | 2616. | 3924. | 5232. | 7194. | 9810. | 2539. | 151.51 | 354.76 | 1.44 |
| 030 Pittsburg | 001 | I01 | 8281 | 654. | 1962. | 2616. | 2616. | 2616. | 3270. | 3924. | 5232. | 8502. | 2602. | 744.91 | 503.16 | 1.33 |
| 030 Redwood City | 001 | I01 | 8722 | 65. | 1308. | 1962. | 1962. | 2616. | 3924. | 4578. | 5232. | 9810. | 2417. | 915.34 | 274.09 | 1.41 |
| 030 Richmond | 001 | I01 | 8606 | 654. | 1308. | 1962. | 1962. | 2616. | 3270. | 4578. | 6540. | 9810. | 2307. | 83.60 | 117.60 | 1.49 |
| 030 San Rafael | 001 | I01 | 8470 | 654. | 1308. | 1962. | 1962. | 2616. | 3270. | 3270. | 4578. | 8502. | 2127. | 722.31 | 18.82 | 1.38 |
| 030 Santa Rosa | 001 | F01 | 2621 | 1308. | 1308. | 1962. | 1962. | 1962. | 2616. | 2616. | 3270. | 5232. | | | | |
| 031 Bakersfield | 001 | A01 | 4897 | 1308. | 1962. | 1962. | 2616. | 3270. | 4578. | 5886. | 7848. | 9810. | 2980. | 336.28 | 743.97 | 1.48 |
| 031 Stockton | 002 | F01 | 8149 | 1308. | 1308. | 1308. | 1962. | 1962. | 2616. | 3270. | 5232. | 7848. | 1960. | 824.20 | 836.39 | 1.41 |
| 031 Visalia | 001 | F01 | 8396 | 654. | 1308. | 1308. | 1962. | 1962. | 3270. | 3924. | 5232. | 8502. | 1973. | 876.03 | 825.90 | 1.46 |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Denver | 002 | A10 | 5110 | 916. | 1243. | 1504. | 1700. | 2027. | 2878. | 3532. | 5167. | 8240. | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 003 | A10 | 7625 | 65. | 916. | 1046. | 1177. | 1308. | 1700. | 2093. | 3335. | 6605. | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 067 Chicago | 002 | A10 | 7692 | 196. | 1112. | 1308. | 1504. | 1766. | 2158. | 2420. | 3270. | 5297. | 1592. | 467.92 | 532.60 | 1.31 |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Paducah | 019 | F01 | 5783 | 65. | 327. | 1177. | 1962. | 2943. | 5101. | 6213. | 7521. | 9810. | | | | |
| 077 Owensboro | 004 | F01 | 4067 | 65. | 65. | 458. | 1308. | 1962. | 3270. | 4578. | 7194. | 9810. | | | | |
| 078 Jefferson Co | 023 | G01 | 588 | 523. | 981. | 1177. | 1504. | 1897. | 2027. | 2093. | 2354. | 2681. | | | | |
| 079 Newport | 001 | F01 | 1929 | 65. | 1177. | 1962. | 2616. | 3597. | 5886. | 6867. | 8240. | 9810. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Afton | 001 | G01 | 2923 | 392. | 589. | 785. | 916. | 1112. | 1373. | 1570. | 2027. | 3597. | | | | |
| 070 Bellefontaine Neighbors | 002 | G01 | 2807 | 65. | 523. | 850. | 981. | 1177. | 1504. | 1700. | 2681. | 5363. | | | | |
| 070 Clayton | 001 | G01 | 2779 | 327. | 785. | 981. | 1112. | 1373. | 1962. | 2289. | 2878. | 4447. | | | | |
| 070 St Ann | 001 | G01 | 2814 | 262. | 785. | 1046. | 1373. | 1635. | 2747. | 3401. | 5036. | 6998. | | | | |
| 070 St Louis | 002 | A10 | 7471 | 458. | 719. | 850. | 1112. | 1504. | 1766. | 1897. | 2747. | 4447. | | | | |
| 070 St Louis Co | 006 | G01 | 533 | 65. | 458. | 719. | 916. | 981. | 1112. | 1308. | 1766. | 2289. | | | | |
| **NEW JERSEY** | | | | | | | | | | | | | | | | |
| 043 Bayonne | 003 | F01 | 7420 | 399. | 889. | 1014. | 1138. | 1360. | 2184. | 2884. | 4585. | 6291. | | | | |
| 043 Newark | 002 | F01 | 7717 | 536. | 811. | 948. | 1099. | 1334. | 1955. | 2446. | 3669. | 6161. | 1281. | 597.38 | 187.30 | 1.44 |
| 045 Camden | 003 | F01 | 8342 | 445. | 857. | 1053. | 1203. | 1393. | 1890. | 2309. | 3283. | 6311. | 1318. | 516.57 | 242.76 | 1.39 |

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## TOTAL HYDROCARBON, micrograms per cubic meter (25 C)
## INSTRUMENTAL FLAME IONIZATION, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 043 Hempstead | 005 | F01 | 3632 | 65. | 667. | 1125. | 1334. | 1543. | 2080. | 2498. | 3466. | 6658. | | | | |
| 043 Mamaroneck | 002 | F01 | 2136 | 65. | 955. | 1432. | 1615. | 1857. | 2747. | 3636. | 5003. | 7521. | | | | |
| 043 New York City | 050 | F01 | 3605 | 65. | 177. | 1040. | 1472. | 1870. | 3486. | 4401. | 7495. | 15591. | | | | |
| 158 Syracuse | 005 | F01 | 5717 | 65. | 994. | 1171. | 1354. | 1622. | 3159. | 4290. | 6932. | 14761. | | | | |
| | 011 | F01 | 2 | 65. | 65. | 65. | 65. | 65. | 65. | 65. | 65. | 65. | | | | |
| 160 Rochester | 004 | F01 | 138 | 491. | 569. | 850. | 922. | 1066. | 1341. | 1393. | 2269. | 2681. | | | | |
| 161 Kingston | 002 | F01 | 1564 | 229. | 693. | 1151. | 1334. | 1472. | 1733. | 1884. | 2694. | 4500. | | | | |
| 161 Rensselaer | 001 | F01 | 6419 | 65. | 850. | 1171. | 1458. | 1870. | 3414. | 4656. | 7573. | 15925. | | | | |
| 162 Niagara Falls | 006 | F01 | 1498 | 65. | 235. | 870. | 1177. | 1367. | 1635. | 1805. | 2708. | 10287. | | | | |
| **OHIO** | | | | | | | | | | | | | | | | |
| 079 Cincinnati | 003 | A10 | 6353 | 916. | 1177. | 1308. | 1373. | 1570. | 2289. | 2812. | 3924. | 5624. | | | | |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 184 Oklahoma City | 022 | F01 | 240 | 687. | 1046. | 1308. | 1439. | 1700. | 2093. | 2289. | 3859. | 4120. | | | | |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Eugene | 007 | F01 | 5771 | 330. | 660. | 790. | 980. | 1110. | 1440. | 1640. | 2160. | 3280. | | | | |
| 193 Portland | 002 | F01 | 8294 | 300. | 700. | 1000. | 1300. | 1600. | 2300. | 2600. | 3600. | 5600. | 1360. | 676.46 | 220.52 | 1.58 |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 002 | A10 | 6971 | 65. | 1112. | 1243. | 1373. | 1570. | 2027. | 2354. | 3270. | 4840. | | | | |
| **VERMONT** | | | | | | | | | | | | | | | | |
| 159 Burlington | 003 | F01 | 2130 | 65. | 654. | 981. | 1243. | 1504. | 1962. | 2224. | 2551. | 3401. | | | | |

## TOTAL OXIDANTS, micrograms per cubic meter (25 C)
## INSTRUMENTAL COLORIMETRIC NEUTRAL KI, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 005 Mobile | 008 | G01 | 297 | 10. | 29. | 41. | 53. | 59. | 82. | 88. | 135. | 147. | | | | |
| **CALIFORNIA** | | | | | | | | | | | | | | | | |
| 024 Anaheim | 001 | I01 | 7714 | 10. | 10. | 10. | 10. | 39. | 98. | 137. | 235. | 823. | 38. | 52.40 | 20.85 | 2.75 |
| 024 Azusa | 002 | I01 | 8260 | 10. | 10. | 10. | 39. | 78. | 235. | 333. | 510. | 941. | 81. | 111.95 | 37.13 | 3.49 |
| 024 Burbank | 002 | I01 | 8218 | 10. | 10. | 10. | 10. | 59. | 157. | 235. | 392. | 608. | 57. | 81.49 | 26.19 | 3.28 |
| 024 Corona | 001 | I01 | 6207 | 10. | 10. | 10. | 39. | 78. | 176. | 235. | 353. | 745. | | | | |
| 024 La Habra | 001 | I01 | 7700 | 10. | 10. | 10. | 10. | 39. | 137. | 196. | 392. | 823. | 50. | 77.09 | 23.88 | 3.10 |
| 024 Lennox | 001 | I01 | 8072 | 10. | 10. | 10. | 10. | 39. | 78. | 118. | 176. | 412. | 35. | 39.04 | 21.77 | 2.60 |
| 024 Long Beach | 002 | I01 | 8303 | 10. | 10 | 10. | 10. | 39. | 78. | 98. | 157. | 529. | 29. | 34.81 | 18.48 | 2.42 |
| 024 Los Angeles | 001 | I01 | 8230 | 10. | 10. | 10. | 10. | 39 | 118. | 157. | 274. | 470. | 43. | 57.44 | 22.71 | 2.91 |
| | 002 | I01 | 8118 | 10. | 10. | 10. | 10. | 59 | 98. | 137. | 216. | 510. | 44. | 48.67 | 25.64 | 2.82 |
| 024 Los Angeles Co | 001 | I01 | 8241 | 10. | 10. | 10. | 39. | 59 | 176. | 235. | 353. | 627. | 63. | 78.16 | 31.28 | 3.26 |
| 024 Ojai | 001 | I01 | 6271 | 10. | 10. | 10. | 59. | 98. | 216. | 255. | 353. | 608. | | | | |
| 024 Pomona | 001 | I01 | 8171 | 10. | 10. | 10. | 10. | 59. | 157. | 235. | 392. | 686. | 57. | 82.15 | 27.35 | 3.17 |
| 024 Redlands | 001 | I01 | 7541 | 10. | 10 | 10. | 10. | 59 | 196. | 274. | 412. | 686. | 64. | 93.38 | 27.39 | 3.52 |
| 024 Riverside | 001 | I01 | 8055 | 10. | 10. | 39. | 59. | 98. | 274. | 353. | 490. | 1098. | 101. | 113.85 | 56.47 | 3.13 |
| 024 San Bernardino | 001 | I01 | 7882 | 10. | 10. | 10. | 10. | 59. | 216. | 294. | 451. | 627. | 67. | 98.12 | 28.46 | 3.52 |
| 024 Santa Ana | 002 | I01 | 7493 | 10. | 10. | 10 | 39 | 78. | 137. | 157. | 274. | 568. | | | | |
| 025 Monterey Co | 001 | I01 | 7367 | 10. | 10. | 10. | 39 | 59 | 78. | 118. | 157. | 294. | | | | |
| 025 Salinas | 001 | I01 | 6564 | 10. | 10. | 39. | 39 | 59. | 98. | 98. | 137. | 196. | | | | |
| 025 Santa Cruz Co | 001 | I01 | 7953 | 10. | 10. | 10. | 10. | 39. | 59. | 78. | 118. | 353. | 28. | 25.17 | 19.53 | 2.29 |
| 028 Chico | 001 | F01 | 7808 | 10. | 10. | 10. | 39 | 78. | 137. | 176. | 216. | 294. | 57. | 53.04 | 34.85 | 2.87 |
| 028 Sacramento | 002 | F01 | 7276 | 10. | 10 | 10. | 10. | 39. | 78. | 98. | 157. | 333. | | | | |
| 028 Sacramento Co | 001 | I01 | 6815 | 10. | 10. | 10. | 10. | 59. | 98. | 137. | 235. | 470. | | | | |
| 029 San Diego Co | 005 | I01 | 7758 | 10. | 10. | 10. | 39. | 59. | 118. | 157. | 216. | 412. | 52. | 52.17 | 30.92 | 2.90 |
| 031 Bakersfield | 001 | A01 | 7361 | 10. | 10. | 10. | 10. | 39. | 98. | 137. | 216. | 333. | 39. | 47.26 | 21.52 | 2.80 |
| 031 Fresno | 002 | F01 | 1164 | 10. | 10. | 10. | 10. | 10. | 39. | 59. | 78. | 137. | | | | |
| 031 Stockton | 002 | F01 | 7385 | 10. | 10. | 10. | 10 | 39. | 78. | 98. | 176. | 392. | | | | |
| 031 Visalia | 001 | F01 | 7641 | 10. | 10 | 10. | 39. | 78. | 157. | 196. | 235. | 314. | 59. | 59.90 | 34.09 | 3.01 |
| 032 Santa Maria | 001 | F01 | 7637 | 10. | 10. | 10. | 39 | 59. | 78. | 98. | 118. | 196. | 41. | 31.37 | 28.82 | 2.49 |
| 033 Banning | 001 | I01 | 5752 | 10. | 10 | 39 | 59 | 78. | 137. | 176. | 255. | 470. | | | | |
| 033 Barstow | 001 | I01 | 1318 | 10. | 10. | 10. | 39 | 39. | 78. | 78. | 118. | 137. | | | | |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Denver | 002 | A10 | 4603 | 10 | 10. | 10. | 39 | 39. | 78. | 98. | 137. | 392. | | | | |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 042 Hartford | 002 | F01 | 1114 | 10. | 20. | 20. | 39 | 59. | 98. | 137. | 196. | 255. | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 002 | A01 | 1312 | 10 | 27. | 53. | 67. | 94. | 141. | 169. | 216. | 294. | | | | |
| | 002 | A05 | 240 | 10 | 24. | 37 | 47 | 57 | 67. | 78. | 90. | 94. | | | | |
| | 003 | A10 | 7065 | 10. | 10. | 10. | 39. | 59. | 98. | 118. | 176. | 255. | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 067 Chicago | 002 | A10 | 6746 | 10. | 10. | 10. | 39 | 39. | 78. | 98. | 157 | 333. | | | | |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 079 Newport | 001 | F01 | 2135 | 10. | 10. | 10. | 25 | 35. | 69 | 94. | 153. | 500. | | | | |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Cheverly | 001 | G01 | 2184 | 10. | 10. | 10. | 10. | 39. | 98. | 137. | 176. | 314. | | | | |
| 047 Rockville | 003 | G01 | 1896 | 10 | 10 | 10. | 10 | 10 | 59 | 78. | 98. | 157. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Afton | 001 | G01 | 2793 | 10. | 10 | 25 | 39 | 53. | 82. | 104. | 163. | 310. | | | | |
| 070 Bellefontaine Neighbors | 002 | G01 | 2020 | 10. | 10 | 10. | 33 | 47 | 73 | 88. | 118 | 184 | | | | |

## TOTAL OXIDANTS, micrograms per cubic meter (25 C)
## INSTRUMENTAL COLORIMETRIC NEUTRAL KI, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MISSOURI — Cont.** | | | | | | | | | | | | | | | | |
| 070 Clayton | 001 | G01 | 2751 | 10. | 10. | 24. | 39. | 57. | 96. | 122. | 178. | 263. | | | | |
| 070 St Ann | 001 | G01 | 2755 | 10. | 10. | 25. | 39. | 55. | 84. | 102. | 145. | 202. | | | | |
| 070 St Louis | 002 | A05 | 322 | 10. | 10. | 27. | 43. | 53. | 84. | 94. | 141. | 274. | | | | |
| | 002 | A10 | 7086 | 10. | 10. | 10. | 10. | 39. | 59. | 78. | 118. | 255. | | | | |
| 070 St Louis Co | 006 | G01 | 359 | 10. | 25. | 49. | 61. | 84. | 112. | 135. | 171. | 182. | | | | |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 043 Hempstead | 005 | F01 | 3650 | 10. | 10. | 22. | 35. | 61. | 104. | 131. | 294. | 1889. | | | | |
| 043 Mamaroneck | 002 | F01 | 10 | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | | | | |
| 043 New York City | 050 | F01 | 18 | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | | | | |
| 158 Syracuse | 005 | F01 | 8 | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | | | | |
| | 011 | F01 | 1 | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | | | | |
| 160 Rochester | 004 | F01 | 1427 | 10. | 10. | 10. | 33. | 73. | 157. | 227. | 1184. | 1433. | | | | |
| | 081 | A05 | 96 | 10. | 10. | 29. | 49. | 59. | 69. | 78. | 127. | 127. | | | | |
| 161 Kingston | 002 | F01 | 2301 | 10. | 10. | 10. | 31. | 53. | 110. | 159. | 239. | 1758. | | | | |
| 161 Rensselaer | 001 | F01 | 10 | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | | | | |
| **OHIO** | | | | | | | | | | | | | | | | |
| 079 Cincinnati | 003 | A05 | 336 | 10. | 27. | 37. | 53. | 78. | 112. | 135. | 169. | 202. | | | | |
| | 003 | A10 | 5373 | 10. | 10. | 10. | 39. | 59. | 98. | 118. | 176. | 314. | | | | |
| 174 Akron | 013 | H01 | 3397 | 10. | 10. | 24. | 39. | 55. | 82. | 98. | 159. | 363. | | | | |
| 174 Barberton | 006 | H01 | 1502 | 10. | 10. | 10. | 29. | 41. | 59. | 76. | 127. | 149. | | | | |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Portland | 002 | F01 | 7875 | 10. | 10. | 10. | 20. | 20. | 59. | 78. | 118. | 196. | 24. | 23.77 | 17.91 | 2.02 |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 002 | A01 | 367 | 10. | 10. | 10. | 25. | 35. | 55. | 82. | 174. | 235. | | | | |
| | 002 | A10 | 6193 | 10. | 10. | 10. | 10. | 39. | 59. | 78. | 118. | 274. | | | | |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 047 Seven Corners | 004 | G01 | 3837 | 10. | 10. | 10. | 10. | 27. | 63. | 82. | 129. | 231. | | | | |

## TOTAL OXIDANTS, micrograms per cubic meter (25 C)
## INSTRUMENTAL COULOMETRIC NEUTRAL KI, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **CALIFORNIA** | | | | | | | | | | | | | | | | |
| 030 Burlingame | 001 | I01 | 8499 | 10. | 10. | 10. | 10. | 10. | 39. | 59. | 98. | 333. | 22. | 22.02 | 15.60 | 2.08 |
| 030 Fremont | 001 | I01 | 8511 | 10. | 10. | 10. | 10. | 39. | 78. | 118. | 216. | 647. | 37. | 45.54 | 21.87 | 2.66 |
| 030 Livermore | 001 | I01 | 3484 | 10. | 10. | 10. | 39. | 59. | 118. | 137. | 196. | 470. | | | | |
| 030 Oakland | 004 | F01 | 7751 | 10. | 10. | 10. | 39. | 39. | 59. | 78. | 118. | 608. | 33. | 29.47 | 23.40 | 2.28 |
| 030 Pittsburg | 001 | I01 | 8668 | 10. | 10. | 10. | 39. | 59. | 98. | 118. | 176. | 392. | 40. | 39.04 | 25.38 | 2.64 |
| 030 Redwood City | 001 | I01 | 8759 | 10. | 10. | 10. | 39. | 59. | 78. | 98. | 157. | 549. | 44. | 36.55 | 29.79 | 2.55 |
| 030 Richmond | 001 | I01 | 8274 | 10. | 10. | 10. | 39. | 59. | 78. | 98. | 137. | 549. | 38. | 33.34 | 25.03 | 2.52 |
| 030 San Leandro | 001 | I01 | 8489 | 10. | 10. | 10. | 10. | 39. | 78. | 98. | 157. | 706. | 34. | 38.82 | 21.34 | 2.55 |
| 030 San Rafael | 001 | I01 | 8660 | 10. | 10. | 10. | 10. | 39. | 59. | 78. | 137. | 353. | 31. | 30.44 | 20.74 | 2.41 |
| 030 Santa Rosa | 001 | F01 | 2406 | 10. | 10. | 10. | 10. | 39. | 59. | 78. | 78. | 118. | | | | |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Portland | 002 | F01 | 8486 | 10. | 10. | 10. | 10. | 10. | 39. | 59. | 118. | 255. | 18. | 21.27 | 13.44 | 1.87 |
| **UTAH** | | | | | | | | | | | | | | | | |
| 220 Magna | 001 | F02 | 4203 | 10. | 10. | 10. | 24. | 31. | 43. | 51. | 74. | 123. | | | | |
| 220 Ogden | 001 | F01 | 3240 | 10. | 10. | 10. | 24. | 33. | 55. | 69. | 98. | 147. | | | | |
| 220 Provo | 001 | F01 | 3916 | 10. | 10. | 10. | 10. | 10. | 25. | 29. | 47. | 78. | | | | |
| 220 Salt Lake City | 001 | F01 | 4312 | 10. | 10. | 10. | 25. | 35. | 53. | 69. | 102. | 157. | | | | |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 047 Alexandria | 009 | H01 | 3714 | 10. | 10. | 10. | 10. | 10. | 39. | 79. | 19208. | 15248. | | | | |

## OZONE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CHEMILUMINESCENCE, 1 hour

**1971 Annual Report**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 049 Unknown | 081 | A05 | 635 | 10. | 10. | 10. | 10. | 20. | 49. | 73. | 88. | 98. | | | | |
| **INDIANA** | | | | | | | | | | | | | | | | |
| 080 Indianapolis | 082 | A05 | 135 | 10. | 10. | 10. | 10. | 39. | 69. | 69. | 147. | 167. | | | | |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 078 Louisville | 010 | G01 | 3965 | 10. | 10. | 10. | 10. | 39. | 98. | 127. | 186. | 988. | | | | |
| **LOUISIANA** | | | | | | | | | | | | | | | | |
| 106 New Orleans | 082 | A05 | 13 | 10. | 10. | 10. | 10. | 49. | 88. | 88. | 88. | 88. | | | | |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 119 Boston | 081 | A05 | 714 | 10. | 10. | 29. | 69. | 98. | 176. | 216. | 294. | 353. | | | | |
| **NEBRASKA** | | | | | | | | | | | | | | | | |
| 085 Omaha | 019 | G01 | 885 | 10 | 10. | 10. | 10 | 10. | 10 | 10. | 29 | 29 | | | | |
| **NEW YORK** | | | | | | | | | | | | | | | | |
| 04. Hempstead | 005 | F01 | 6366 | 10 | 10. | 10 | 10 | 10 | 43 | 65 | 122 | 249 | | | | |
| 04. Mamaroneck | 002 | F01 | 3369 | 10 | 10. | 10 | 10 | 10 | 39 | 59 | 108 | 186 | | | | |
| 043 New York City | 050 | F01 | 5417 | 10. | 10 | 10 | 10 | 25 | 76 | 112 | 186 | 341 | | | | |
| 158 Syracuse | 005 | F01 | 6342 | 10 | 10 | 10 | 10 | 51 | 94 | 116 | 167 | 255 | | | | |
| | 011 | F01 | 1 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | |
| 160 Rochester | 004 | F01 | 5860 | 10. | 10 | 10 | 10 | 10 | 35 | 45 | 84 | 396 | | | | |
| 161 Kingston | 002 | F01 | 5819 | 10 | 10 | 10 | 10 | 24 | 35 | 43 | 65 | 149 | | | | |
| 161 Rensselaer | 001 | F01 | 378 | 10 | 10 | 10 | 10 | 29 | 59 | 82 | 98 | 106 | | | | |
| 162 Buffalo | 005 | F01 | 2964 | 10 | 10 | 10 | 10 | 10 | 25 | 45 | 100 | 241 | | | | |
| 162 Niagara Falls | 006 | F01 | 1118 | 10 | 10 | 10 | 10 | 10 | 25 | 41 | 78 | 141 | | | | |
| **OHIO** | | | | | | | | | | | | | | | | |
| 176 Columbus | 009 | F01 | 2196 | 10 | 10 | 10 | 10 | 10 | 49 | 59 | 98 | 127 | | | | |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 184 Oklahoma City | 023 | F01 | 1364 | 10 | 10 | 10 | 29 | 39 | 69 | 88 | 108 | 245 | | | | |
| **TEXAS** | | | | | | | | | | | | | | | | |
| 153 El Paso | 081 | G01 | 1941 | 10 | 10 | 10 | 39 | 49 | 69 | 78 | 108 | 147 | | | | |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 225 Henrico Co | 010 | F01 | 1679 | 10 | 10 | 10 | 10 | 31 | 59 | 74 | 131 | 196 | | | | |
| 225 Richmond | 081 | A05 | 271 | 10 | 10 | 10 | 10 | 25 | 41 | 45 | 65 | 69 | | | | |

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